

**Flood Control Project Maintenance
Levee Inspections**

Fall 2019 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

NA0003	Overall LMA Rating	Total LMA Miles						
Butte County Department of Public Works	A	23.78						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.35		0.35	1.47%	0.03	0.23		
Trim / Thin Trees	0.15		0.15	0.63%				
Encroachments	0.03		0.03	0.13%	2.61	0.48		
Animal Control	0.03		0.03	0.13%				
Slope Stability	0.10		0.10	0.42%				
Erosion / Bank Caving	0.01		0.01	0.04%				
<i>Supplemental</i>								
DRAFT DWR UCIP Field Study					0.10			
DRAFT DWR UCIP LMA Responsibility								
<i>LMA Totals:</i>	0.67	0.00	0.67	2.82%	2.74	0.71	0.00	0.00

Unit No. 01 Mud Creek RB	Overall Unit Rating	Total Unit Miles						
NA0003	A	6.80						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.02		0.02	0.29%	0.03	0.23		
Trim / Thin Trees	0.02		0.02	0.29%				
Encroachments	0.01		0.01	0.15%	0.99	0.04		
Animal Control	0.03		0.03	0.44%				
Slope Stability	0.01		0.01	0.15%				
<i>Supplemental</i>								
DRAFT DWR UCIP Field Study					0.03			
DRAFT DWR UCIP LMA Responsibility								
<i>Unit Totals:</i>	0.09	0.00	0.09	1.32%	1.05	0.27	0.00	0.00

Unit No. 02 Mud Creek LB	Overall Unit Rating	Total Unit Miles						
NA0003	A	7.96						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Trim / Thin Trees	0.04		0.04	0.50%				
Encroachments					0.66	0.32		
Slope Stability	0.03		0.03	0.38%				
<i>Supplemental</i>								
DRAFT DWR UCIP Field Study					0.02			
DRAFT DWR UCIP LMA Responsibility								
<i>Unit Totals:</i>	0.07	0.00	0.07	0.88%	0.68	0.32	0.00	0.00

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Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin (cont.)

Unit No. 02A Channel Slough LB	Overall Unit Rating	Total Unit Miles						
	A	0.26						
NA0003								
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Trim / Thin Trees	0.01		0.01	3.78%				
Slope Stability	0.01		0.01	3.78%				
<i>Unit Totals:</i>	0.02	0.00	0.02	7.56%	0.00	0.00	0.00	0.00

Unit No. 03 Sycamore and Sheep Hollow Creeks RB	Overall Unit Rating	Total Unit Miles						
	A	4.05						
NA0003								
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.05		0.05	1.24%				
Trim / Thin Trees	0.01		0.01	0.25%				
Encroachments					0.01			
Slope Stability	0.02		0.02	0.49%				
<i>Supplemental</i>								
DRAFT DWR UCIP Field Study					0.03			
DRAFT DWR UCIP LMA Responsibility								
<i>Unit Totals:</i>	0.08	0.00	0.08	1.98%	0.04	0.00	0.00	0.00

Unit No. 04 Sycamore and Dry Creeks RB	Overall Unit Rating	Total Unit Miles						
	A	2.86						
NA0003								
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.07		0.07	2.45%				
Trim / Thin Trees	0.07		0.07	2.45%				
Encroachments	0.01		0.01	0.35%	0.63	0.11		
Erosion / Bank Caving	0.01		0.01	0.35%				
<i>Supplemental</i>								
DRAFT DWR UCIP Field Study					0.01			
DRAFT DWR UCIP LMA Responsibility								
<i>Unit Totals:</i>	0.16	0.00	0.16	5.59%	0.64	0.11	0.00	0.00

Unit No. 05 Big Chico Diversion LB	Overall Unit Rating	Total Unit Miles						
	M	1.85						
NA0003								
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.21		0.21	11.38%				
Encroachments	0.01		0.01	0.54%	0.32	0.01		
Slope Stability	0.03		0.03	1.63%				
<i>Supplemental</i>								
DRAFT DWR UCIP Field Study					0.01			
<i>Unit Totals:</i>	0.25	0.00	0.25	13.55%	0.33	0.01	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections****LMA District Cover Sheet
Fall 2019 Levee Inspection Results****Butte County Department of Public Works**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			A	

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† **SPRING INSPECTIONS:** Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Butte County Department of Public Works

Waterway			Bank	Unit Miles
Unit No. 01 Mud Creek			Right	6.80
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	4/10/2019 - 4/10/2019		10/22/2019 - 10/22/2019	
DWR Inspector	Makar Sokol		Makar Sokol	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/22/2019 10/22/2019	Makar Sokol

LM Start		Rating **	A	Issue No.	6
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_NA0003_01_s_2013_6				
Comment Code					
Inspector Comment					
LMA has flood fight supplies & equipment.					

No Photos

LM Start		Rating **	A	Issue No.	10
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_NA0003_01_s_2013_10				
Comment Code					
Inspector Comment					
The LMA completed flood fight training in 2016.					

No Photos

LM Start		Rating **	A	Issue No.	58
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_NA0003_01_f_2017_58				
Comment Code					
Inspector Comment					
The LMA has O&M Manuals.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/22/2019 10/22/2019	Makar Sokol

LM Start	0.19	Rating **	M	Issue No.	26
LM End	0.19	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.728529 °	39.728529 °
				-121.934012 °	-121.934012 °
DWR ID	DWR_NA0003_01_s_2019_26				
Comment Code					
PR : Prunings					
Inspector Comment					
The piles of prunings and tree stumps should be removed from the landside toe.					

Photo 1 of 1 : FA_2019_NA0003_64_26_20190822_00007.jpg



View of an adjacent pile of tree stumps at the landside toe. Spring 2019.

LM Start	0.25	Rating **	A/W	Issue No.	64
LM End	0.25	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.729219 °	39.729219 °
				-121.933437 °	-121.933437 °
DWR ID	19209				
Comment Code					
Inspector Comment					
DS_ID:19209					
FS_ID:29705					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: Looks cleaned recently.					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.26)].					
FS Date: 2/20/2014					

Photo 1 of 3 : UCIP_FA_2019_29705_54924.jpg



WS view: U typed concrete headwall, flapgate on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/22/2019 10/22/2019	Makar Sokol

LM Start	0.25	Rating **	A/W	Issue No.	64 (cont)
LM End	0.25	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.729219 °	39.729219 °
				-121.933437 °	-121.933437 °
DWR ID	19209				
Comment Code					
Inspector Comment					
DS_ID:19209 FS_ID:29705 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Looks cleaned recently. FIELD_STRUCT_DESC: 24-inch corrugated gravity drainage pipe through the levee, 12.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.26)]. FS Date: 2/20/2014					

LM Start	0.25	Rating **	A/W	Issue No.	64 (cont)
LM End	0.25	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_29705_54923.jpg



LS view: U typed concrete headwall, CMP on levee slope.

Photo 3 of 3 : UCIP_FA_2019_29705_54922.jpg



LS view: inside view of CMP on levee slope. Looks clean and clear.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspections**

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Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/22/2019 10/22/2019	Makar Sokol

LM Start	1.00	Rating **	M	Issue No.	65	
LM End	1.00	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			39.739268 °		39.739268 °
				-121.931891 °		-121.931891 °
DWR ID	19211					
Comment Code						
Inspector Comment						
DS_ID:19211 FS_ID:32044 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Vegetation debris on waterside. Needs clearing and cleaning. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 1.03)]. FS Date: 2/20/2014						

LM Start	1.00	Rating **	M	Issue No.	65 (cont)
LM End	1.00	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_32044_58543.jpg



WS view: U typed concrete headwall, pipe, and flapgate on levee slope.

Photo 2 of 3 : UCIP_FA_2019_32044_58542.jpg



WS view: vegetation debris blocking outlet.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/22/2019 10/22/2019	Makar Sokol

LM Start	1.00	Rating **	M	Issue No.	65 (cont)	
LM End	1.00	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			39.739268 °		39.739268 °
				-121.931891 °		-121.931891 °
DWR ID	19211					
Comment Code						
Inspector Comment						
DS_ID:19211						
FS_ID:32044						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Vegetation debris on waterside. Needs clearing and cleaning.						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 1.03)].						
FS Date: 2/20/2014						

Photo 3 of 3 : UCIP_FA_2019_32044_58541.jpg



LS view: U typed concrete headwall and CMP on levee slope.

LM Start	1.19	Rating **	C	Issue No.	46
LM End	1.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.740082 °	39.740697 °
				-121.928383 °	-121.927844 °
DWR ID	DWR_NA0003_01_f_2016_46				
Comment Code					
DT : Ditch					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/22/2019 10/22/2019	Makar Sokol

LM Start	1.69	Rating **	M	Issue No.	15
LM End	1.69	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.745718 °	39.745718 °
				-121.923124 °	-121.923124 °
DWR ID	DWR_NA0003_01_s_2014_15				
Comment Code					
PR : Prunings					
Inspector Comment					
The prunings should be removed from the landside toe.					

Photo 1 of 1 : FA_2019_NA0003_64_15_20190822_00002.jpg



View of the prunings along the landside toe.

LM Start	1.90	Rating **	A/W	Issue No.	66	
LM End	1.90	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.747563 °	39.747563 °	
				-121.920170 °	-121.920170 °	
DWR ID	19212					
Comment Code						
Inspector Comment						
DS_ID:19212 FS_ID:50142 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 08/29/2016: Shawn Bates of NA0003 has cleared the LS and WS of debris and blockage; WS gate functions properly now. Crossing has been downgraded from Urgent to No Action Needed. (K. Fazel - UCIP)08/11/2016: Same as last inspection. (K. Fazel - UCIP)02/20/2014: No riprap spillway on waterside. Needs cleaning and clearing of debris. Flap gate was not fully closed. (P. Amatya - UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 13 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 504, May 1965, (HLM 1.95)]. FS Date: 8/11/2016						

Photo 1 of 3 : UCIP_FA_2019_50142_55886.jpg



WS view: U type concrete headwall, flapgate on levee slope. Gate was not fully closed.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/22/2019 10/22/2019	Makar Sokol

LM Start	1.90	Rating **	A/W	Issue No.	66 (cont)	
LM End	1.90	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.747563 °	39.747563 °	
				-121.920170 °	-121.920170 °	
DWR ID	19212					
Comment Code						
Inspector Comment						
DS_ID:19212 FS_ID:50142 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 08/29/2016: Shawn Bates of NA0003 has cleared the LS and WS of debris and blockage; WS gate functions properly now. Crossing has been downgraded from Urgent to No Action Needed. (K. Fazel - UCIP)08/11/2016: Same as last inspection. (K. Fazel - UCIP)02/20/2014:No riprap spillway on waterside. Needs cleaning and clearing of debris. Flap gate was not fully closed. (P. Amatya - UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 13 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 504, May 1965, (HLM 1.95)]. FS Date: 8/11/2016						

LM Start	1.90	Rating **	A/W	Issue No.	66 (cont)
LM End	1.90	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_50142_55885.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris blocking inlet.

Photo 3 of 3 : UCIP_FA_2019_50142_55884.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspections**

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Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/22/2019 10/22/2019	Makar Sokol

LM Start	2.00	Rating **	M	Issue No.	3
LM End	2.04	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.748330 °	39.748867 °
				-121.918685 °	-121.918533 °
DWR ID	DWR_NA0003_01_s_2012_3				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0003_64_3_20190822_00001.jpg



View of the fences along the landside toe.

LM Start	2.03	Rating **	U	Issue No.	48
LM End	2.11	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.748784 °	39.749872 °
				-121.918597 °	-121.918296 °
DWR ID	DWR_NA0003_01_f_2016_48				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0003_64_48_20190822_00020.jpg



View of landscaping vegetation blocking visibility.

LM Start	2.04	Rating **	M	Issue No.	47
LM End	2.05	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.748797 °	39.749034 °
				-121.918592 °	-121.918526 °
DWR ID	DWR_NA0003_01_f_2016_47				
Comment Code					
FE : Fence					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspections**

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/22/2019 10/22/2019	Makar Sokol

LM Start	2.06	Rating **	U	Issue No.	40
LM End	2.08	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.749145 °	39.749461 °
				-121.918506 °	-121.918425 °
DWR ID	DWR_NA0003_01_s_2016_40				
Comment Code					
FE : Fence					
Inspector Comment					
The corrugated fencing with vegetation is completely obscuring landside toe.					

Photo 1 of 1 : FA_2019_NA0003_64_40_20190822_00018.jpg



View of a metal fence and treehouse obstructing visibility and access.

LM Start	2.06	Rating **	C	Issue No.	41
LM End	2.06	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.749149 °	39.749149 °
				-121.918510 °	-121.918510 °
DWR ID	DWR_NA0003_01_s_2016_41				
Comment Code					
DE : Debris					
Inspector Comment					
Homeowner was dragging soil across levee and is still dumping debris on waterside berm.					

No Photos

LM Start	2.10	Rating **	U	Issue No.	24
LM End	2.10	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.749732 °	39.749732 °
				-121.918270 °	-121.918270 °
DWR ID	DWR_NA0003_01_s_2012_24				
Comment Code					
BU : Building					
Inspector Comment					
Shed and plank fencing are blocking visibility.					

Photo 1 of 1 : FA_2019_NA0003_64_24_20190822_00004.jpg



View of a metal shed and fence along the landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/22/2019 10/22/2019	Makar Sokol

LM Start	2.12	Rating **	C	Issue No.	57
LM End	2.12	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.750037°	39.750037°	
			-121.918237°	-121.918237°	
DWR ID	DWR_NA0003_01_f_2017_57				
Comment Code					
PR : Prunings					
Inspector Comment					
The prunings should be removed from the waterside toe.					

No Photos

LM Start	2.38	Rating **	M	Issue No.	19
LM End	2.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		39.753041°	39.753041°	
			-121.915566°	-121.915566°	
DWR ID	DWR_NA0003_01_f_2019_19				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	2.49	Rating **	M	Issue No.	20
LM End	2.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		39.754431°	39.754431°	
			-121.914770°	-121.914770°	
DWR ID	DWR_NA0003_01_f_2019_20				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/22/2019 10/22/2019	Makar Sokol

LM Start	2.57	Rating **	M	Issue No.	21
LM End	2.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.755692 °	39.755692 °
				-121.914873 °	-121.914873 °
DWR ID	DWR_NA0003_01_f_2019_21				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	2.59	Rating **	M	Issue No.	49
LM End	2.59	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.755930 °	39.755930 °
				-121.914829 °	-121.914829 °
DWR ID	DWR_NA0003_01_f_2016_49				
Comment Code					
PR : Prunings					
Inspector Comment					
The prunings should be removed from the landside toe.					

Photo 1 of 2 : FA_2019_NA0003_64_49_20190822_00021.jpg



View of the prunings along the landside toe.

LM Start	2.59	Rating **	M	Issue No.	49 (cont)
LM End	2.59	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2019_NA0003_64_49_20190822_00022.jpg



View of the prunings along the landside toe.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/22/2019 10/22/2019	Makar Sokol

LM Start	2.71	Rating **	M	Issue No.	67
LM End	2.71	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.757445 °	39.757445 °
				-121.913654 °	-121.913654 °
DWR ID	19230				

Comment Code

Inspector Comment

DS_ID:19230
FS_ID:30291
EP_NO: 16633
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: A concrete water control box on landside shoulder. It needs confirmation and more info from LMA and/or DWR Inspector.
FIELD_STRUCT_DESC: 2-inch coated and wrapped steel storm water discharge pipeline through the right bank and landside (LS) levee toe of Mud Creek. Submerged pump in a 36-inch corrugated metal pipe (CMP) casing, approximately 10 feet from the LS toe. Drainage ditch, up to 4 feet wide, runs perpendicular to the levee alignment starting at a CMP riser and running away from the levee. (Plans to install a 2-inch storm water discharge pipe through the levee and a pump on a concrete base on the right bank LS levee toe of Mud Creek authorized under Permit No. 16633, 1996 - Jim Paiva).
FS Date: 2/20/2014

LM Start	2.71	Rating **	M	Issue No.	67 (cont)
LM End	2.71	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_30291_55700.jpg



LS view: CMP riser on levee toe (top) and control box on levee shoulder (bottom).

Photo 2 of 3 : UCIP_FA_2019_30291_55699.jpg



LS view: CMP riser on levee toe and drainage ditch perpendicular to the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/22/2019 10/22/2019	Makar Sokol

LM Start	2.71	Rating **	M	Issue No.	67 (cont)	
LM End	2.71	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.757445 °	39.757445 °	
				-121.913654 °	-121.913654 °	
DWR ID	19230					
Comment Code						
Inspector Comment						
DS_ID:19230 FS_ID:30291 EP_NO: 16633 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: A concrete water control box on landside shoulder.It needs confirmation and more info from LMA and/or DWR Inspector. FIELD_STRUCT_DESC: 2-inch coated and wrapped steel storm water discharge pipeline through the right bank and landside (LS) levee toe of Mud Creek. Submerged pump in a 36-inch corrugated metal pipe (CMP) casing, approximately 10 feet from the LS toe. Drainage ditch, up to 4 feet wide, runs perpendicular to the levee alignment starting at a CMP riser and running away from the levee. (Plans to install a 2-inch storm water discharge pipe through the levee and a pump on a concrete base on the right bank LS levee toe of Mud Creek authorized under Permit No. 16633, 1996 - Jim Paiva). FS Date: 2/20/2014						

Photo 3 of 3 : UCIP_FA_2019_30291_55698.jpg



LS view: inside view of CMP riser. Pipe, gate valve, air vent, and submersible pump in the riser.

LM Start	2.98	Rating **	M	Issue No.	39
LM End	2.98	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.760539 °	39.760539 °
				-121.911376 °	-121.911376 °
DWR ID	DWR_NA0003_01_s_2016_39				
Comment Code					
AV : Abandoned vehicles					
Inspector Comment					
Truck and farm equipment are blocking the landside toe.					

Photo 1 of 1 : FA_2019_NA0003_64_39_20190822_00017.jpg



View of equipment and vehicles along the landside toe.

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/22/2019 10/22/2019	Makar Sokol

LM Start	3.01	Rating **	M	Issue No.	52
LM End	3.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.760888 °	39.760888 °
				-121.911309 °	-121.911309 °
DWR ID	DWR_NA0003_01_s_2019_52				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
The almond tree should be removed from the landside shoulder.					

No Photos

LM Start	3.02	Rating **	M	Issue No.	25
LM End	3.02	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.761085 °	39.761085 °
				-121.911048 °	-121.911048 °
DWR ID	DWR_NA0003_01_s_2012_25				
Comment Code					
PR : Prunings					
Inspector Comment					
The prunings should be removed from the landside slope.					

Photo 1 of 1 : FA_2019_NA0003_64_25_20190822_00005.jpg



View of the prunings and wooden posts along the landside toe.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/22/2019 10/22/2019	Makar Sokol

LM Start	3.03	Rating **	M	Issue No.	68	
LM End	3.03	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.761224°	39.761224°	
				-121.911108°	-121.911108°	
DWR ID	19216					
Comment Code						
Inspector Comment						
DS_ID:19216 FS_ID:30294 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Inlet and outlet needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.11)]. FS Date: 2/20/2014						

LM Start	3.03	Rating **	M	Issue No.	68 (cont)
LM End	3.03	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2019_30294_55704.jpg



WS view: U type concrete headwall, flapgate on levee slope.

Photo 2 of 2 : UCIP_FA_2019_30294_55703.jpg



LS view: U type concrete headwall and CMP on levee slope. Debris blocking the inlet pipe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/22/2019 10/22/2019	Makar Sokol

LM Start	3.15	Rating **	C	Issue No.	31
LM End	3.15	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.762565 °	39.762565 °
				-121.909873 °	-121.909873 °
DWR ID	DWR_NA0003_01_s_2015_31				
Comment Code					
PR : Prunings					
Inspector Comment					
The prunings should be removed from the landside slope.					

No Photos

LM Start	3.18	Rating **	M	Issue No.	69
LM End	3.18	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.763067 °	39.763067 °
				-121.909608 °	-121.909608 °
DWR ID	19217				
Comment Code					
Inspector Comment					
DS_ID:19217 FS_ID:30295 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: It needs cleaning and clearing in inlet and outlet ends. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.27)]. FS Date: 2/20/2014					

Photo 1 of 2 : UCIP_FA_2019_30295_55706.jpg



WS view: U type concrete headwall, flapgate on levee slope. Vegetation debris blocking the outlet.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/22/2019 10/22/2019	Makar Sokol

LM Start	3.18	Rating **	M	Issue No.	69 (cont)	
LM End	3.18	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.763067 °	39.763067 °	
				-121.909608 °	-121.909608 °	
DWR ID	19217					
Comment Code						
Inspector Comment						
DS_ID:19217 FS_ID:30295 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: It needs cleaning and clearing in inlet and outlet ends. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.27)]. FS Date: 2/20/2014						

Photo 2 of 2 : UCIP_FA_2019_30295_55705.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris blocking the inlet.

LM Start	3.25	Rating **	M	Issue No.	27
LM End	3.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.763993 °	39.763993 °
				-121.909108 °	-121.909108 °
DWR ID	DWR_NA0003_01_f_2014_27				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the prunings from the landside slope.					

Photo 1 of 1 : FA_2019_NA0003_64_27_20190822_00008.jpg



View of the prunings along the landside toe.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/22/2019 10/22/2019	Makar Sokol

LM Start	3.39	Rating **	M	Issue No.	70
LM End	3.39	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.765440 °	39.765440 °
				-121.907261 °	-121.907261 °
DWR ID	19218				
Comment Code					
Inspector Comment					
DS_ID:19218 FS_ID:30310 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.48)]. FS Date: 2/20/2014					

LM Start	3.39	Rating **	M	Issue No.	70 (cont)
LM End	3.39	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_30310_55741.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Vegetation debris blocking outlet.

Photo 2 of 3 : UCIP_FA_2019_30310_55740.jpg



LS view: U type concrete headwall and CMP on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/22/2019 10/22/2019	Makar Sokol

LM Start	3.39	Rating **	M	Issue No.	70 (cont)
LM End	3.39	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.765440 °	39.765440 °
				-121.907261 °	-121.907261 °
DWR ID	19218				
Comment Code					
Inspector Comment					
DS_ID:19218 FS_ID:30310 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.48)]. FS Date: 2/20/2014					

Photo 3 of 3 : UCIP_FA_2019_30310_55739.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

LM Start	3.54	Rating **	C	Issue No.	53
LM End	3.71	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.766490 °	39.767940 °
				-121.904911 °	-121.902486 °
DWR ID	DWR_NA0003_01_s_2019_53				
Comment Code					
PR : Prunings					
Inspector Comment					
The prunings should be removed from the landside toe.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/22/2019 10/22/2019	Makar Sokol

LM Start	3.70	Rating **	M	Issue No.	23
LM End	3.70	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.767876 °	39.767876 °
				-121.902545 °	-121.902545 °
DWR ID	DWR_NA0003_01_f_2019_23				
Comment Code					
PR : Prunings					
Inspector Comment					
Pile of prunings should be removed from the landside toe easement.					

Photo 1 of 1 : FA_2019_NA0003_64_23_20191025_00056.jpg



View of the pile of prunings at the landside toe. Fall 2019.

LM Start	3.75	Rating **	M	Issue No.	28
LM End	3.75	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.768596 °	39.768596 °
				-121.902269 °	-121.902269 °
DWR ID	DWR_NA0003_01_f_2019_28				
Comment Code					
PR : Prunings					
Inspector Comment					
The pile of prunings should be removed from the landside toe easement.					

No Photos

LM Start	3.89	Rating **	C	Issue No.	32
LM End	3.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.770395 °	39.770395 °
				-121.901305 °	-121.901305 °
DWR ID	DWR_NA0003_01_s_2018_32				
Comment Code					
PR : Prunings					
Inspector Comment					
The prunings should be removed from the landside toe.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/22/2019 10/22/2019	Makar Sokol

LM Start	3.97	Rating **	M	Issue No.	71	
LM End	3.97	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			39.771293 °		39.771293 °
				-121.900247 °		-121.900247 °
DWR ID	19219					
Comment Code						
Inspector Comment						
DS_ID:19219						
FS_ID:30311						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Needs cleaning and clearing of debris in both ends of the pipe.						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 4.08)].						
FS Date: 2/20/2014						

LM Start	3.97	Rating **	M	Issue No.	71 (cont)
LM End	3.97	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2019_30311_55743.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Vegetation debris blocking outlet.

Photo 2 of 2 : UCIP_FA_2019_30311_55742.jpg



LS view: U type concrete headwall and CMP on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/22/2019 10/22/2019	Makar Sokol

LM Start	4.01	Rating **	U	Issue No.	29
LM End	4.01	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.771732 °	39.771732 °
				-121.899699 °	-121.899699 °
DWR ID	DWR_NA0003_01_f_2014_29				
Comment Code					
CR : Crops					
Inspector Comment					
Fruit trees are present at the toe of the levee.					

Photo 1 of 1 : FA_2019_NA0003_64_29_20190822_00009.jpg



View of the fruit trees within 10' of landside levee toe.

LM Start	4.03	Rating **	M	Issue No.	33
LM End	4.03	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.771921 °	39.771921 °
				-121.899362 °	-121.899362 °
DWR ID	DWR_NA0003_01_f_2019_33				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/22/2019 10/22/2019	Makar Sokol

LM Start	4.26	Rating **	A/W	Issue No.	5
LM End	4.32	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			39.773257 °	39.773969 °
				-121.895618 °	-121.895078 °
DWR ID	DWR_ST0010_02_f_2022_9				
Comment Code					
Inspector Comment					
2017 Site ID: MUD 4.4 R					
Status: Eroding					
2017 Field Notes: Erosion scarps have increased since last inspection in 2011.					
Site History: 2011 - Two large erosion scallops at the toe from a rotational failure. Deep cracks along the slope indicate the potential for further failures.					

No Photos

LM Start	4.27	Rating **	M	Issue No.	50
LM End	4.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.773487 °	39.773487 °
				-121.895716 °	-121.895716 °
DWR ID	DWR_NA0003_01_s_2019_50				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
The blackberry bushes should be removed from the landside toe.					

No Photos

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/22/2019 10/22/2019	Makar Sokol

LM Start	4.40	Rating **	C	Issue No.	59
LM End	4.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.775097 °	39.775097 °
				-121.894447 °	-121.894447 °
DWR ID	DWR_NA0003_01_s_2019_59				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	4.41	Rating **	M	Issue No.	60
LM End	4.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.775201 °	39.775201 °
				-121.894357 °	-121.894357 °
DWR ID	DWR_NA0003_01_s_2019_60				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	4.45	Rating **	M	Issue No.	61
LM End	4.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.775710 °	39.775710 °
				-121.894060 °	-121.894060 °
DWR ID	DWR_NA0003_01_s_2019_61				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/22/2019 10/22/2019	Makar Sokol

LM Start	4.46	Rating **	M	Issue No.	72	
LM End	4.46	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.775905 °	39.775905 °	
				-121.893980 °	-121.893980 °	
DWR ID	19220					
Comment Code						
Inspector Comment						
DS_ID:19220						
FS_ID:30312						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Needs cleaning and clearing of debris.						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 13 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 4.58)].						
FS Date: 2/20/2014						

LM Start	4.46	Rating **	M	Issue No.	72 (cont)
LM End	4.46	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2019_30312_55745.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Vegetation debris blocking outlet.

Photo 2 of 2 : UCIP_FA_2019_30312_55744.jpg



LS view: U type concrete headwall and CMP on levee slope. Needs cleaning and clearing of debris.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/22/2019 10/22/2019	Makar Sokol

LM Start	4.77	Rating **	C	Issue No.	38
LM End	4.79	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.779822 °	39.780062 °
				-121.891803 °	-121.891475 °
DWR ID	DWR_NA0003_01_s_2016_38				
Comment Code					
PR : Prunings					
Inspector Comment					
The prunings and tree stumps should be removed from the landside toe.					

No Photos

LM Start	4.81	Rating **	M	Issue No.	73
LM End	4.81	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.780244 °	39.780244 °
				-121.891267 °	-121.891267 °
DWR ID	19221				
Comment Code					
Inspector Comment					
DS_ID:19221 FS_ID:30388 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: CM Standpipe intake. Intake pipe with air vent. Steel rib-bar grit cover on the standpipe on landside levee toe.Needs cleaning and clearing on both ends of the pipe. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 15 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on the WS end. Grouted riprap spillway on the WS end. Corrugated metal standpipe intake. Intake pipe with an air vent. Steel rib-bar grit cover on the standpipe on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 4.94)]. FS Date: 2/20/2014					

Photo 1 of 2 : UCIP_FA_2019_30388_55891.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Vegetation/soil debris blocking outlet.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

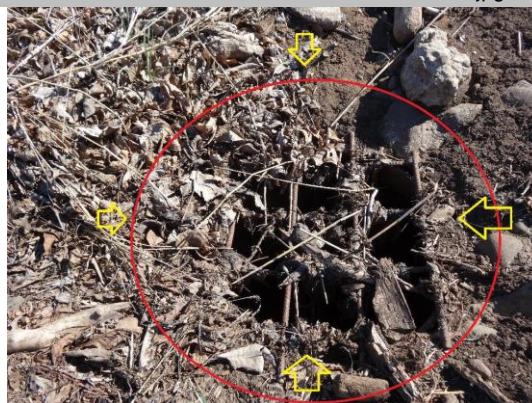
Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/22/2019 10/22/2019	Makar Sokol

LM Start	4.81	Rating **	M	Issue No.	73 (cont)	
LM End	4.81	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.780244 °	39.780244 °	
				-121.891267 °	-121.891267 °	
DWR ID	19221					
Comment Code						
Inspector Comment						
DS_ID:19221 FS_ID:30388 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: CM Standpipe intake. Intake pipe with air vent. Steel rib-bar grit cover on the standpipe on landside levee toe.Needs cleaning and clearing on both ends of the pipe. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 15 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on the WS end. Grouted riprap spillway on the WS end. Corrugated metal standpipe intake. Intake pipe with an air vent. Steel rib-bar grit cover on the standpipe on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 4.94)]. FS Date: 2/20/2014						

Photo 2 of 2 : UCIP_FA_2019_30388_55890.jpg



LS view: Underground CM standpipe intake with steel grit on levee toe.

LM Start	5.06	Rating **	M	Issue No.	74
LM End	5.06	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.783387 °	39.783387 °
				-121.888839 °	-121.888839 °
DWR ID	19231				
Comment Code					
Inspector Comment					
DS_ID:19231 FS_ID:41870 EP_NO: 9874 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact the owner to determine crossing status and install gasoline markers if its appropriate to do so. FIELD_STRUCT_DESC: 6-inch natural gas main of an unknown material through both levees and under Mud Creek, downstream from the Esplanade, 2.5 feet below the crown. Gas line indicator/marker post found across the creek in Named Area No. 3 (NA0003), Unit No. 2. (Plans to install a 6-inch natural gas pipeline across Mud Creek and through adjacent levee authorized under Permit No. 9874, 1974 - Pacific Gas and Electric Company [PG&E]). FS Date: 2/20/2014					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/22/2019 10/22/2019	Makar Sokol

LM Start	5.09	Rating **	A/W	Issue No.	75
LM End	5.09	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.783636 °	39.783636 °
				-121.888463 °	-121.888463 °
DWR ID	19222				
Comment Code					
Inspector Comment					
DS_ID:19222					
FS_ID:30327					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: Slide gate in CM stadpipe on waterside levee slope.					
FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe					
through the levee, 17 feet below the crown. Slide gate in a corrugated					
metal standpipe on the waterside (WS) slope. Flap gate on the WS					
end. Concrete U-shaped headwall on each end. Grouted riprap apron					
on the landside (LS) end. Grouted riprap spillway on the WS end.					
[Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento					
O&M Manual 504, May 1965, (HLM 5.22)].					
FS Date: 2/20/2014					

LM Start	5.09	Rating **	A/W	Issue No.	75 (cont)
LM End	5.09	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_30327_55768.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope.

Photo 2 of 3 : UCIP_FA_2019_30327_55767.jpg



WS view: CM standpipe with slide gate on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/22/2019 10/22/2019	Makar Sokol

LM Start	5.09	Rating **	A/W	Issue No.	75 (cont)
LM End	5.09	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.783636 °	39.783636 °
				-121.888463 °	-121.888463 °
DWR ID	19222				
Comment Code					
Inspector Comment					
DS_ID:19222					
FS_ID:30327					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments: Slide gate in CM stadpipe on waterside levee slope.					
FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe					
through the levee, 17 feet below the crown. Slide gate in a corrugated					
metal standpipe on the waterside (WS) slope. Flap gate on the WS					
end. Concrete U-shaped headwall on each end. Grouted riprap apron					
on the landside (LS) end. Grouted riprap spillway on the WS end.					
[Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento					
O&M Manual 504, May 1965, (HLM 5.22)].					
FS Date: 2/20/2014					

Photo 3 of 3 : UCIP_FA_2019_30327_55766.jpg



LS view: U type concrete headwall and CMP on levee slope.

LM Start	5.20	Rating **	M	Issue No.	55
LM End	5.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.784234 °	39.784234 °
				-121.886589 °	-121.886589 °
DWR ID	DWR_NA0003_01_f_2016_55				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0003_64_55_20190822_00023.jpg



View of the blackberries blocking visibility and access.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/22/2019 10/22/2019	Makar Sokol

LM Start	5.30	Rating **	M	Issue No.	76	
LM End	5.30	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.784739 °	39.784739 °	
				-121.884860 °	-121.884860 °	
DWR ID	19223					
Comment Code						
Inspector Comment						
DS_ID:19223 FS_ID:30368 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 12-inch steel pipe about 14 ft below the crown. FIELD_STRUCT_DESC: 12-inch steel drainage discharge pipeline through the levee, 14 feet below the crown. Slide gate in a concrete box on the waterside (WS) slope. Flap gate on the WS end. Grouted rock revetment on the WS slope. Three pumps on a concrete pad on the landside (LS). [Additional Reference(s): DWR Levee Log, 1992, 18-inch pipe referenced, 1 foot below the crown]. FS Date: 2/24/2014						

LM Start	5.30	Rating **	M	Issue No.	76 (cont)
LM End	5.30	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_30368_55861.jpg



WS view: slide gate in concrete box on levee slope.

Photo 2 of 3 : UCIP_FA_2019_30368_55860.jpg



WS view: concrete headwall and flapgate on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/22/2019 10/22/2019	Makar Sokol

LM Start	5.30	Rating **	M	Issue No.	76 (cont)	
LM End	5.30	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.784739 °	39.784739 °	
				-121.884860 °	-121.884860 °	
DWR ID	19223					
Comment Code						
Inspector Comment						
DS_ID:19223 FS_ID:30368 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 12-inch steel pipe about 14 ft below the crown. FIELD_STRUCT_DESC: 12-inch steel drainage discharge pipeline through the levee, 14 feet below the crown. Slide gate in a concrete box on the waterside (WS) slope. Flap gate on the WS end. Grouted rock revetment on the WS slope. Three pumps on a concrete pad on the landside (LS). [Additional Reference(s): DWR Levee Log, 1992, 18-inch pipe referenced, 1 foot below the crown]. FS Date: 2/24/2014						

Photo 3 of 3 : UCIP_FA_2019_30368_55859.jpg



LS view: pipe, pumps, power boxes, concrete vault on landside.

LM Start	5.31	Rating **	M	Issue No.	62
LM End	5.52	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.784860 °	39.787614 °
				-121.884556 °	-121.885086 °
DWR ID	DWR_NA0003_01_s_2019_62				
Comment Code					
FE : Fence					
Inspector Comment					
A chain link fence is within the easement on the landside toe.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/22/2019 10/22/2019	Makar Sokol

LM Start	5.65	Rating **	M	Issue No.	35
LM End	5.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.789093 °	39.789093 °
				-121.886500 °	-121.886500 °
DWR ID	DWR_NA0003_01_f_2019_35				
Comment Code					
PR : Prunings					
Inspector Comment					
The pile of prunings should be removed from the landside toe easement.					

Photo 1 of 1 : FA_2019_NA0003_64_35_20191025_00057.jpg



View of the pile of prunings at the landside toe. Fall 2019.

LM Start	5.83	Rating **	M	Issue No.	63
LM End	6.47	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.791379 °	39.798480 °
				-121.886390 °	-121.881705 °
DWR ID	DWR_NA0003_01_s_2019_63				
Comment Code					
FE : Fence					
Inspector Comment					

No Photos

LM Start	5.89	Rating **	C	Issue No.	44
LM End	5.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.792121 °	39.792121 °
				-121.886836 °	-121.886836 °
DWR ID	DWR_NA0003_01_f_2016_44				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Blackberry bramble should be removed from the landside slope and toe.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/22/2019 10/22/2019	Makar Sokol

LM Start	5.91	Rating **	C	Issue No.	43
LM End	5.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.792482°	39.792482°
				-121.887078°	-121.887078°
DWR ID	DWR_NA0003_01_f_2016_43				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Blackberry bramble should be removed from the landside slope and toe.					

No Photos

LM Start	5.96	Rating **	C	Issue No.	22
LM End	5.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.793116 °	39.793116 °
				-121.887296 °	-121.887296 °
DWR ID	DWR_NA0003_01_f_2016_22				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
The blackberry brambles should be removed from the landside toe and the 10' easement.					

No Photos

LM Start	5.98	Rating **	U	Issue No.	37
LM End	6.13	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.793411 °	39.795145 °
				-121.887310 °	-121.885872 °
DWR ID	DWR_NA0003_01_s_2016_37				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Various overgrown vegetation completely obscuring landside toe visibility.					

Photo 1 of 1 : FA_2019_NA0003_64_37_20190822_00015.jpg



04/25/2016: Trim trees on L/S slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	10/22/2019 10/22/2019	Makar Sokol

LM Start	6.16	Rating **	C	Issue No.	34
LM End	6.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.795428 °	39.795428 °
				-121.885306 °	-121.885306 °
DWR ID	DWR_NA0003_01_s_2016_34				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Blackberry bramble should be removed from the landside toe.					

No Photos

LM Start	6.36	Rating **	M	Issue No.	30
LM End	6.39	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.797714 °	39.797884 °
				-121.883384 °	-121.882883 °
DWR ID	DWR_NA0003_01_s_2016_30				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Rosemary landscaping covering landside toe.					

Photo 1 of 1 : FA_2019_NA0003_64_30_20190822_00010.jpg



View of the landscaping blocking visibility.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Butte County Department of Public Works

Waterway			Bank	Unit Miles
Unit No. 02 Mud Creek			Left	7.96
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	4/9/2019 - 4/10/2019		10/21/2019 - 10/21/2019	
DWR Inspector	Makar Sokol		Makar Sokol	
Accompanied By	Wade Wylie			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/21/2019 10/21/2019	Makar Sokol

LM Start	0.23	Rating **	M	Issue No.	47	
LM End	0.23	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.797416 °	39.797416 °	
				-121.881675 °	-121.881675 °	
DWR ID	19234					
Comment Code						
Inspector Comment						
DS_ID:19234						
FS_ID:31667						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Needs cleaning and clearing the culvert.						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 6.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.25)].						
FS Date: 3/11/2014						

Photo 1 of 3 : UCIP_FA_2019_31667_57968.jpg



WS view: CMP culvert with U type concrete headwall. Vegetation debris blocking outlet box.

LM Start	0.23	Rating **	M	Issue No.	47 (cont)
LM End	0.23	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_31667_57967.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Vegetation debris on outlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/21/2019 10/21/2019	Makar Sokol

LM Start	0.23	Rating **	M	Issue No.	47 (cont)	
LM End	0.23	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.797416°	39.797416°	
				-121.881675°	-121.881675°	
DWR ID	19234					
Comment Code						
Inspector Comment						
DS_ID:19234 FS_ID:31667 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 6.6 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.25)]. FS Date: 3/11/2014						

Photo 3 of 3 : UCIP_FA_2019_31667_57966.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris on inlet box.

LM Start	0.27	Rating **	M	Issue No.	36
LM End	0.27	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.797263 °	39.797263 °
				-121.882242 °	-121.882242 °
DWR ID	DWR_NA0003_02_s_2019_36				
Comment Code					
DE : Debris					
Inspector Comment					
The debris should be removed from the landside slope and toe.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Butte County Department of Public Works

No Photos

No Photos

No Photos

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/21/2019 10/21/2019	Makar Sokol

LM Start	0.58	Rating **	M	Issue No.	27
LM End	0.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.793979 °	39.793979 °
				-121.885781 °	-121.885781 °
DWR ID	DWR_NA0003_02_s_2019_27				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Trees smaller than 4-inches in diameter at chest height should be removed.					

No Photos

LM Start	1.26	Rating **	M	Issue No.	48
LM End	1.26	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.784062 °	39.784062 °
				-121.884344 °	-121.884344 °
DWR ID	19235				
Comment Code					
Inspector Comment					
DS_ID:19235 FS_ID:30403 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 1.34)]. FS Date: 2/24/2014					

Photo 1 of 3 : UCIP_FA_2019_30403_55922.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/21/2019 10/21/2019	Makar Sokol

LM Start	1.26	Rating **	M	Issue No.	48 (cont)	
LM End	1.26	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.784062 °	39.784062 °	
				-121.884344 °	-121.884344 °	
DWR ID	19235					
Comment Code						
Inspector Comment						
DS_ID:19235 FS_ID:30403 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 1.34)]. FS Date: 2/24/2014						

LM Start	1.26	Rating **	M	Issue No.	48 (cont)
LM End	1.26	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_30403_55921.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris in inlet pipe.

Photo 3 of 3 : UCIP_FA_2019_30403_55920.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/21/2019 10/21/2019	Makar Sokol

LM Start	1.45	Rating **	C	Issue No.	2
LM End	1.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.783074 °	39.783074 °
				-121.887610 °	-121.887610 °
DWR ID	DWR_NA0003_02_s_2019_2				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
The blackberry bushes should be removed from the landside toe and the trees should be trimmed 5 feet off the ground.					

No Photos

LM Start	1.46	Rating **	M	Issue No.	49	
LM End	1.46	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			39.782980 °		39.782980 °
				-121.887834 °		-121.887834 °
DWR ID	19237					
Comment Code						
Inspector Comment						
DS_ID:19237 FS_ID:30743 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 1.55)]. FS Date: 2/24/2014						

Photo 1 of 2 : UCIP_FA_2019_30743_56641.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope.
Debris in outlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/21/2019 10/21/2019	Makar Sokol

LM Start	1.46	Rating **	M	Issue No.	49 (cont)
LM End	1.46	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.782980 °	39.782980 °
				-121.887834 °	-121.887834 °
DWR ID	19237				
Comment Code					
Inspector Comment					
DS_ID:19237 FS_ID:30743 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 1.55)]. FS Date: 2/24/2014					

Photo 2 of 2 : UCIP_FA_2019_30743_56640.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris and soil in inlet area.

LM Start	1.49	Rating **	U	Issue No.	3
LM End	1.81	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.782773 °	39.778972 °
				-121.888178 °	-121.891563 °
DWR ID	DWR_NA0003_02_s_2012_3				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0003_65_3_20190822_00002.jpg



View of the fence along the landside toe of the levee.

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/21/2019 10/21/2019	Makar Sokol

LM Start	1.49	Rating **	M	Issue No.	50	
LM End	1.49	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.782766 °	39.782766 °	
				-121.888187 °	-121.888187 °	
DWR ID	24803					
Comment Code						
Inspector Comment						
DS_ID:24803 FS_ID:41873 EP_NO: 9874 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: May need to contact owner to determine status of crossing and install markers as appropriate. FIELD_STRUCT_DESC: 6-inch natural gas main of an unknown material through both levees and under Mud Creek, downstream from the Esplanade, at an unknown depth. Indicator on the landside (LS) toe. (Plans to install a 6-inch natural gas pipeline across Mud Creek and through adjacent levee authorized under Permit No. 9874, 1974 - Pacific Gas and Electric Company [PG&E]). FS Date: 2/24/2014						

Photo 1 of 1 : UCIP_FA_2019_41873_56643.jpg



LS view: gasline marker on levee toe.

LM Start	1.62	Rating **	N	Issue No.	32
LM End	1.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.781173 °	39.781173 °
				-121.889526 °	-121.889526 °
DWR ID	DWR_NA0003_02_f_2016_32				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/21/2019 10/21/2019	Makar Sokol

LM Start	1.67	Rating **	M	Issue No.	4
LM End	1.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.780530 °	39.780530 °
				-121.889938 °	-121.889938 °
DWR ID	DWR_NA0003_02_s_2019_4				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.03	Rating **	M	Issue No.	51	
LM End	2.03	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.776025 °	39.776025 °	
				-121.892911 °	-121.892911 °	
DWR ID	19238					
Comment Code						
Inspector Comment						
DS_ID:19238 FS_ID:41375 EP_NO: 12619A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - 24-inch CM pipe.- inlet and spillway may need cleaning and clearing. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity storm drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. (Plans to replace an existing 24-inch storm drain inlet to the Mud Creek Diversion Channel with a 36-inch storm drain located approximately 500 feet upstream from Nord Highway authorized under Permit No. 12619, 1979 - Richard E. Vermillion. Plans for extension of time to replace an existing 24-inch storm drain inlet to the Mud Creek Diversion Channel with a 36-inch storm drain located upstream from Nord Highway authorized under Permit No. 12619-A, 1980 - Richard E. Vermillion). The storm drain never got replaced. [Additional Reference(s): DWR Levee Log, 1992, 36-inch pipe referenced. USACE Sacramento O&M Manual 504, May 1965, (HLM 2.13)]. FS Date: 2/24/2014						

Photo 1 of 3 : UCIP_FA_2019_41375_56646.jpg



WS view: U type concrete headwall and flapgate on levee slope.
Vegetation debris on spillway.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/21/2019 10/21/2019	Makar Sokol

LM Start	2.03	Rating **	M	Issue No.	51 (cont)	
LM End	2.03	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.776025 °	39.776025 °	
				-121.892911 °	-121.892911 °	
DWR ID	19238					
Comment Code						
Inspector Comment						
DS_ID:19238 FS_ID:41375 EP_NO: 12619A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - 24-inch CM pipe.- inlet and spillway may need cleaning and clearing. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity storm drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. (Plans to replace an existing 24-inch storm drain inlet to the Mud Creek Diversion Channel with a 36-inch storm drain located approximately 500 feet upstream from Nord Highway authorized under Permit No. 12619, 1979 - Richard E. Vermillion. Plans for extension of time to replace an existing 24-inch storm drain inlet to the Mud Creek Diversion Channel with a 36-inch storm drain located upstream from Nord Highway authorized under Permit No. 12619-A, 1980 - Richard E. Vermillion). The storm drain never got replaced. [Additional Reference(s): DWR Levee Log, 1992, 36-inch pipe referenced. USACE Sacramento O&M Manual 504, May 1965, (HLM 2.13)]. FS Date: 2/24/2014						

LM Start	2.03	Rating **	M	Issue No.	51 (cont)
LM End	2.03	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_41375_56645.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope.

Photo 3 of 3 : UCIP_FA_2019_41375_56644.jpg



LS view: U type concrete headwall and CMP on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/21/2019 10/21/2019	Makar Sokol

LM Start	2.05	Rating **	M	Issue No.	25
LM End	2.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.775748 °	39.775748 °
				-121.892958 °	-121.892958 °
DWR ID	DWR_NA0003_02_f_2019_25				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0003_65_25_20191025_00064.jpg



View of the erosion on the landside slope due to vehicle traffic. Fall 2019.

LM Start	2.34	Rating **	M	Issue No.	52	
LM End	2.34	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			39.772185 °		39.772185 °
				-121.895681 °		-121.895681 °
DWR ID	19239					
Comment Code						
Inspector Comment						
DS_ID:19239						
FS_ID:30763						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Debris in landside inlet area. Needs cleaning and clearing of debris.						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 2.44)].						
FS Date: 2/24/2014						

Photo 1 of 3 : UCIP_FA_2019_30763_56662.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Vegetation debris blocking outlet.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/21/2019 10/21/2019	Makar Sokol

LM Start	2.34	Rating **	M	Issue No.	52 (cont)	
LM End	2.34	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			39.772185 °		39.772185 °
				-121.895681 °		-121.895681 °
DWR ID	19239					
Comment Code						
Inspector Comment						
DS_ID:19239						
FS_ID:30763						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Debris in landside inlet area. Needs cleaning and clearing of debris.						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 2.44)].						
FS Date: 2/24/2014						

LM Start	2.34	Rating **	M	Issue No.	52 (cont)
LM End	2.34	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_30763_56661.jpg



LS view: U type concrete headwall and CMP on levee slope.

Photo 3 of 3 : UCIP_FA_2019_30763_56660.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/21/2019 10/21/2019	Makar Sokol

LM Start	2.54	Rating **	A/W	Issue No.	41
LM End	2.68	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			39.771186°	39.769616°
				-121.899060°	-121.900854°
DWR ID	DWR_ST0010_02_f_2022_11				
Comment Code					
Inspector Comment					
2017 Site ID: MUD 2.8 L					
Status: Eroding New					
2017 Field Notes: Large erosion scarp along lower toe.					
Site History:					

No Photos

LM Start	2.74	Rating **	M	Issue No.	53
LM End	2.74	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.768741 °	39.768741 °
				-121.901176 °	-121.901176 °
DWR ID	19240				
Comment Code					
Inspector Comment					
DS_ID:19240 FS_ID:30783 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 2.86)]. FS Date: 2/24/2014					

Photo 1 of 3 : UCIP_FA_2019_30783_56682.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope.
Gate not fully closed. Debris and soil in outlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/21/2019 10/21/2019	Makar Sokol

LM Start	2.74	Rating **	M	Issue No.	53 (cont)
LM End	2.74	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.768741 °	39.768741 °
				-121.901176 °	-121.901176 °
DWR ID	19240				
Comment Code					
Inspector Comment					
DS_ID:19240 FS_ID:30783 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 2.86)]. FS Date: 2/24/2014					

LM Start	2.74	Rating **	M	Issue No.	53 (cont)
LM End	2.74	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_30783_56681.jpg



LS view: U type concrete headwall and CMP on levee slope. Debris and soil in inlet box.

Photo 3 of 3 : UCIP_FA_2019_30783_56680.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/21/2019 10/21/2019	Makar Sokol

LM Start	2.80	Rating **	M	Issue No.	1
LM End	2.80	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.767841 °	39.767841 °
				-121.901534 °	-121.901534 °
DWR ID	DWR_NA0003_02_f_2013_1				
Comment Code					
FW : Firewood					
Inspector Comment					
Firewood and broken concrete pipes should be removed from the landside toe.					

Photo 1 of 1 : FA_2019_NA0003_65_1_20190822_00001.jpg



View of the firewood and broken concrete pipes along the landside toe.

LM Start	3.08	Rating **	A/W	Issue No.	42
LM End	3.16	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			39.765543 °	39.764869 °
				-121.905367 °	-121.906737 °
DWR ID	DWR_ST0010_02_f_2022_12				
Comment Code					
Inspector Comment					
2017 Site ID: MUD 3.3 L					
Status: Eroding New					
2017 Field Notes: Large mass failure of lower bank slope.					
Site History:					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/21/2019 10/21/2019	Makar Sokol

LM Start	3.50	Rating **	M	Issue No.	54	
LM End	3.50	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.760847 °	39.760847 °	
				-121.910265 °	-121.910265 °	
DWR ID	19241					
Comment Code						
Inspector Comment						
DS_ID:19241 FS_ID:30803 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 6.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.64)]. FS Date: 2/24/2014						

LM Start	3.50	Rating **	M	Issue No.	54 (cont)
LM End	3.50	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_30803_56685.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Vegetation debris and soil blocking outlet.

Photo 2 of 3 : UCIP_FA_2019_30803_56684.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris and soil blocking inlet.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/21/2019 10/21/2019	Makar Sokol

LM Start	3.50	Rating **	M	Issue No.	54 (cont)	
LM End	3.50	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.760847 °	39.760847 °	
				-121.910265 °	-121.910265 °	
DWR ID	19241					
Comment Code						
Inspector Comment						
DS_ID:19241 FS_ID:30803 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 6.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.64)]. FS Date: 2/24/2014						

Photo 3 of 3 : UCIP_FA_2019_30803_56683.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

LM Start	3.52	Rating **	M	Issue No.	10
LM End	3.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.760582 °	39.760582 °
				-121.910303 °	-121.910303 °
DWR ID	DWR_NA0003_02_f_2015_10				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0003_65_10_20190822_00003.jpg



View of the vehicle erosion along the landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/21/2019 10/21/2019	Makar Sokol

LM Start	3.75	Rating **	C	Issue No.	40
LM End	3.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.757831 °	39.757831 °	
			-121.911920 °	-121.911920 °	
DWR ID	DWR_NA0003_02_s_2019_40				
Comment Code					
DE : Debris					
Inspector Comment					
The pile of debris should be removed from the landside slope.					

No Photos

LM Start	3.95	Rating **	C	Issue No.	33
LM End	3.95	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.755681 °	39.755681 °	
			-121.910628 °	-121.910628 °	
DWR ID	DWR_NA0003_02_f_2016_33				
Comment Code					
PR : Prunings					
Inspector Comment					
The prunings should be removed from the landside toe.					

No Photos

LM Start	4.08	Rating **	C	Issue No.	43
LM End	4.08	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		39.755092 °	39.755092 °	
			-121.913104 °	-121.913104 °	
DWR ID	DWR_NA0003_02_s_2019_43				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/21/2019 10/21/2019	Makar Sokol

LM Start	4.17	Rating **	C	Issue No.	44
LM End	4.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.754324 °	39.754324 °
				-121.913683 °	-121.913683 °
DWR ID	DWR_NA0003_02_s_2019_44				
Comment Code					
DE : Debris					
Inspector Comment					
The debris should be removed from the waterside slope.					

No Photos

LM Start	4.61	Rating **	M	Issue No.	55
LM End	4.61	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.748731 °	39.748731 °
				-121.917577 °	-121.917577 °
DWR ID	19245				
Comment Code					
Inspector Comment					
DS_ID:19245					
FS_ID:31028					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Needs cleaning and clearing of debris.					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 4.77)].					
FS Date: 2/25/2014					

Photo 1 of 3 : UCIP_FA_2019_31028_56913.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope.
Soil/mud on outlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/21/2019 10/21/2019	Makar Sokol

LM Start	4.61	Rating **	M	Issue No.	55 (cont)	
LM End	4.61	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			39.748731 °		39.748731 °
				-121.917577 °		-121.917577 °
DWR ID	19245					
Comment Code						
Inspector Comment						
DS_ID:19245 FS_ID:31028 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 4.77)]. FS Date: 2/25/2014						

Photo 2 of 3 : UCIP_FA_2019_31028_56912.jpg



LS view: U type concrete headwall and CMP on levee slope.

LM Start	4.61	Rating **	M	Issue No.	55 (cont)
LM End	4.61	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_31028_56911.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/21/2019 10/21/2019	Makar Sokol

LM Start	5.64	Rating **	M	Issue No.	56	
LM End	5.64	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.738898 °	39.738898 °	
				-121.930242 °	-121.930242 °	
DWR ID	19247					
Comment Code						
Inspector Comment						
DS_ID:19247						
FS_ID:31031						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Needs cleaning and clearing of debris.						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 5.83)].						
FS Date: 2/25/2014						

LM Start	5.64	Rating **	M	Issue No.	56 (cont)
LM End	5.64	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_31031_56917.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Soil/mud on outlet box.

Photo 2 of 3 : UCIP_FA_2019_31031_56916.jpg



LS view: U type concrete headwall and CMP on levee slope. Soil/mud on inlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/21/2019 10/21/2019	Makar Sokol

LM Start	5.64	Rating **	M	Issue No.	56 (cont)	
LM End	5.64	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.738898 °	39.738898 °	
				-121.930242 °	-121.930242 °	
DWR ID	19247					
Comment Code						
Inspector Comment						
DS_ID:19247 FS_ID:31031 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 5.83)]. FS Date: 2/25/2014						

Photo 3 of 3 : UCIP_FA_2019_31031_56915.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

LM Start	6.09	Rating **	M	Issue No.	57
LM End	6.09	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.733297 °	39.733297 °
				-121.930411 °	-121.930411 °
DWR ID	19248				
Comment Code					
Inspector Comment					
DS_ID:19248 FS_ID:41376 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: [Channel Slough Drainage Structure] 1 of 2: 42-inch corrugated metal gravity drainage pipe through the levee, 16 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in a corrugated metal pipe (CMP) riser on the WS slope. Concrete U-shaped headwall on each end. Grouted riprap apron and rock revetment on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 6.30)]. FS Date: 2/25/2014					

Photo 1 of 3 : UCIP_FA_2019_41376_56920.jpg



WS view: slide gates in CMP risers on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/21/2019 10/21/2019	Makar Sokol

LM Start	6.09	Rating **	M	Issue No.	57 (cont)	
LM End	6.09	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			39.733297 °		39.733297 °
				-121.930411 °		-121.930411 °
DWR ID	19248					
Comment Code						
Inspector Comment						
DS_ID:19248						
FS_ID:41376						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Needs cleaning and clearing of debris.						
FIELD_STRUCT_DESC: [Channel Slough Drainage Structure] 1 of 2:						
42-inch corrugated metal gravity drainage pipe through the levee, 16						
feet below the crown. Flap gate on the waterside (WS) end. Slide gate						
in a corrugated metal pipe (CMP) riser on the WS slope. Concrete U-						
shaped headwall on each end. Grouted riprap apron and rock						
revetment on the landside (LS) end. [Additional Reference(s): DWR						
Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965,						
(HLM 6.30)].						
FS Date: 2/25/2014						

LM Start	6.09	Rating **	M	Issue No.	57 (cont)
LM End	6.09	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_41376_56919.jpg



WS view: U type concrete headwall, pipes, and flapgates on levee slope. Vegetation debris on outlet box.

Photo 3 of 3 : UCIP_FA_2019_41376_56918.jpg



LS view: U type concrete headwall and CMPs on levee slope. Soil/mud on inlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/21/2019 10/21/2019	Makar Sokol

LM Start	6.09	Rating **	M	Issue No.	58	
LM End	6.09	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			39.733280 °		39.733280 °
				-121.930409 °		-121.930409 °
DWR ID	19259					
Comment Code						
Inspector Comment						
DS_ID:19259 FS_ID:41377 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: [Channel Slough Drainage Structure] 2 of 2: 42-inch corrugated metal gravity drainage pipe through the levee, 16 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in a corrugated metal pipe (CMP) riser on the WS slope. Concrete U-shaped headwall on each end. Grouted riprap apron and rock revetment on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 6.30)]. FS Date: 2/25/2014						

LM Start	6.09	Rating **	M	Issue No.	58 (cont)
LM End	6.09	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_41377_56923.jpg



WS view: slide gates in CMP risers on levee slope.

Photo 2 of 3 : UCIP_FA_2019_41377_56922.jpg



LS view: U type concrete headwall and CMPs on levee slope. Vegetation on inlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/21/2019 10/21/2019	Makar Sokol

LM Start	6.09	Rating **	M	Issue No.	58 (cont)	
LM End	6.09	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			39.733280 °		39.733280 °
				-121.930409 °		-121.930409 °
DWR ID	19259					
Comment Code						
Inspector Comment						
DS_ID:19259						
FS_ID:41377						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Needs cleaning and clearing of debris.						
FIELD_STRUCT_DESC: [Channel Slough Drainage Structure] 2 of 2:						
42-inch corrugated metal gravity drainage pipe through the levee, 16						
feet below the crown. Flap gate on the waterside (WS) end. Slide gate						
in a corrugated metal pipe (CMP) riser on the WS slope. Concrete U-						
shaped headwall on each end. Grouted riprap apron and rock						
revetment on the landside (LS) end. [Additional Reference(s): DWR						
Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965,						
(HLM 6.30)].						
FS Date: 2/25/2014						

Photo 3 of 3 : UCIP_FA_2019_41377_56921.jpg



LS view: U type concrete headwall and CMPs on levee slope. Soil/mud on inlet box.

LM Start	6.15	Rating **	M	Issue No.	59
LM End	6.15	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.732515 °	39.732515 °
				-121.930373 °	-121.930373 °
DWR ID	19249				
Comment Code					
Inspector Comment					
DS_ID:19249					
FS_ID:31034					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Needs cleaning and clearing of debris.					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 6.35)].					
FS Date: 2/25/2014					

Photo 1 of 3 : UCIP_FA_2019_31034_56926.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/21/2019 10/21/2019	Makar Sokol

LM Start	6.15	Rating **	M	Issue No.	59 (cont)	
LM End	6.15	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.732515 °	39.732515 °	
				-121.930373 °	-121.930373 °	
DWR ID	19249					
Comment Code						
Inspector Comment						
DS_ID:19249 FS_ID:31034 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 6.35)]. FS Date: 2/25/2014						

Photo 2 of 3 : UCIP_FA_2019_31034_56925.jpg



LS view: U type concrete headwall and CMP on levee slope.

LM Start	6.15	Rating **	M	Issue No.	59 (cont)
LM End	6.15	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_31034_56924.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/21/2019 10/21/2019	Makar Sokol

LM Start	6.43	Rating **	M	Issue No.	60	
LM End	6.43	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.728812 °	39.728812 °	
				-121.932623 °	-121.932623 °	
DWR ID	19251					
Comment Code						
Inspector Comment						
DS_ID:19251 FS_ID:31085 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 15.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 6.65)]. FS Date: 2/25/2014						

LM Start	6.43	Rating **	M	Issue No.	60 (cont)
LM End	6.43	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_31085_56988.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope.
Soil/mud on outlet box.

Photo 2 of 3 : UCIP_FA_2019_31085_56987.jpg



LS view: U type concrete headwall and CMP on levee slope. Soil/mud on inlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/21/2019 10/21/2019	Makar Sokol

LM Start	6.43	Rating **	M	Issue No.	60 (cont)	
LM End	6.43	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.728812 °	39.728812 °	
				-121.932623 °	-121.932623 °	
DWR ID	19251					
Comment Code						
Inspector Comment						
DS_ID:19251 FS_ID:31085 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 15.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 6.65)]. FS Date: 2/25/2014						

Photo 3 of 3 : UCIP_FA_2019_31085_56986.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

LM Start	6.44	Rating **	C	Issue No.	37
LM End	6.44	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.728779 °	39.728779 °
				-121.932679 °	-121.932679 °
DWR ID	DWR_NA0003_02_f_2016_37				
Comment Code					
PR : Prunings					
Inspector Comment					
The prunings should be removed from the landside toe.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/21/2019 10/21/2019	Makar Sokol

LM Start	6.71	Rating **	C	Issue No.	38
LM End	6.71	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.725695°	39.725695°	
			-121.935791°	-121.935791°	
DWR ID	DWR_NA0003_02_f_2016_38				
Comment Code					
PR : Prunings					
Inspector Comment					
The prunings should be removed from the landside toe.					

No Photos

LM Start	6.72	Rating **	C	Issue No.	45
LM End	6.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		39.725540°	39.725540°	
			-121.935924°	-121.935924°	
DWR ID	DWR_NA0003_02_s_2019_45				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	6.92	Rating **	C	Issue No.	39
LM End	6.92	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.723014°	39.723014°	
			-121.937819°	-121.937819°	
DWR ID	DWR_NA0003_02_f_2016_39				
Comment Code					
PR : Prunings					
Inspector Comment					
The prunings should be removed from the landside toe.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/21/2019 10/21/2019	Makar Sokol

LM Start	6.94	Rating **	M	Issue No.	61	
LM End	6.94	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.722798 °	39.722798 °	
				-121.937828 °	-121.937828 °	
DWR ID	19252					
Comment Code						
Inspector Comment						
DS_ID:19252 FS_ID:31103 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 15 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 7.17)]. FS Date: 2/25/2014						

LM Start	6.94	Rating **	M	Issue No.	61 (cont)
LM End	6.94	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_31103_57002.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Soil/mud on outlet box. Vegetation debris blocking outlet box

Photo 2 of 3 : UCIP_FA_2019_31103_57001.jpg



LS view: U type concrete headwall and CMP on levee slope. Soil/mud on inlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/21/2019 10/21/2019	Makar Sokol

LM Start	6.94	Rating **	M	Issue No.	61 (cont)	
LM End	6.94	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.722798 °	39.722798 °	
				-121.937828 °	-121.937828 °	
DWR ID	19252					
Comment Code						
Inspector Comment						
DS_ID:19252 FS_ID:31103 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 15 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 7.17)]. FS Date: 2/25/2014						

Photo 3 of 3 : UCIP_FA_2019_31103_57000.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

LM Start	7.22	Rating **	M	Issue No.	62
LM End	7.22	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.718882 °	39.718882 °
				-121.937602 °	-121.937602 °
DWR ID	19253				
Comment Code					
Inspector Comment					
DS_ID:19253 FS_ID:32085 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gates in CMP risers on waterside shoulder.Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 1 of 3: 48-inch corrugated metal gravity drainage pipe through the levee, 18 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in a corrugated metal pipe (CMP) riser on the WS shoulder. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 7.46)]. FS Date: 2/25/2014					

Photo 1 of 3 : UCIP_FA_2019_32085_58585.jpg



WS view: slide gates in CMP risers on waterside shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Butte County Department of Public Works

LM Start	7.22	Rating **	M	Issue No.	62 (cont)
LM End	7.22	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_32085_58584.jpg



WS view: U type concrete headwall, pipes, and flapgates on levee slope.
Soil/mud on outlet box. Vegetation debris blocking outlet box

Photo 3 of 3 : UCIP_FA_2019_32085_58586.jpg



LS view: U type concrete headwall and CMPs on levee slope. Soil/mud on inlet box.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/21/2019 10/21/2019	Makar Sokol

LM Start	7.23	Rating **	M	Issue No.	63	
LM End	7.23	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			39.718849 °		39.718849 °
				-121.937580 °		-121.937580 °
DWR ID	19261					
Comment Code						
Inspector Comment						
DS_ID:19261 FS_ID:32087 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gates in CMP risers on waterside shoulder.Needs cleaning and clearing on both pipe ends. FIELD_STRUCT_DESC: 3 of 3: 48-inch corrugated metal gravity drainage pipe through the levee, 18 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in a corrugated metal pipe (CMP) riser on the WS shoulder. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 7.46)]. FS Date: 2/25/2014						

LM Start	7.23	Rating **	M	Issue No.	63 (cont)
LM End	7.23	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_32087_58592.jpg



WS view: slide gates in CMP risers on waterside shoulder.

Photo 2 of 3 : UCIP_FA_2019_32087_58591.jpg



WS view: U type concrete headwall, pipes, and flapgates on levee slope.
Soil/mud on outlet box. Vegetation debris on outlet box

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Butte County Department of Public Works

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/21/2019 10/21/2019	Makar Sokol

LM Start	7.23	Rating **	M	Issue No.	64 (cont)	
LM End	7.23	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			39.718862 °	39.718862 °	
				-121.937594 °	-121.937594 °	
DWR ID	19260					
Comment Code						
Inspector Comment						
DS_ID:19260 FS_ID:32086 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gates in CMP risers on waterside shoulder.Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 2 of 3: 48-inch corrugated metal gravity drainage pipe through the levee, 18 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in a corrugated metal pipe (CMP) riser on the WS shoulder. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 7.46)]. FS Date: 2/25/2014						

LM Start	7.23	Rating **	M	Issue No.	64 (cont)
LM End	7.23	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_32086_58588.jpg



WS view: U type concrete headwall, pipes, and flapgates on levee slope. Soil/mud on outlet box. Vegetation debris on outlet box

Photo 3 of 3 : UCIP_FA_2019_32086_58587.jpg



LS view: U type concrete headwall and CMPs on levee slope. Soil/mud on inlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/21/2019 10/21/2019	Makar Sokol

LM Start	7.25	Rating **	M	Issue No.	46
LM End	7.89	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.718535 °	39.709884 °
				-121.937350 °	-121.935979 °
DWR ID	DWR_NA0003_02_s_2019_46				
Comment Code					
PR : Prunings					
Inspector Comment					
The prunings should be removed from the landside slope and toe.					

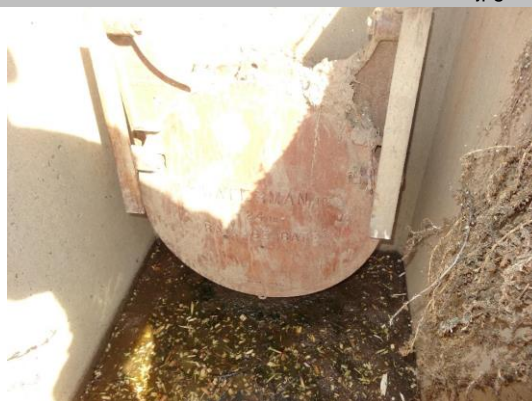
Photo 1 of 1 : FA_2019_NA0003_65_46_20191025_00065.jpg



View of the piles of prunings along the landside toe. Fall 2019.

LM Start	7.77	Rating **	M	Issue No.	65
LM End	7.77	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.711436 °	39.711436 °
				-121.937135 °	-121.937135 °
DWR ID	19254				
Comment Code					
Inspector Comment					
DS_ID:19254					
FS_ID:31129					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Debris in inlet pipe, needs cleaning and clearing.					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 18 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end.					
[Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 8.09)].					
FS Date: 2/25/2014					

Photo 1 of 2 : UCIP_FA_2019_31129_57036.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Soil/mud on outlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	10/21/2019 10/21/2019	Makar Sokol

LM Start	7.77	Rating **	M	Issue No.	65 (cont)	
LM End	7.77	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.711436 °	39.711436 °	
				-121.937135 °	-121.937135 °	
DWR ID	19254					
Comment Code						
Inspector Comment						
DS_ID:19254 FS_ID:31129 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Debris in inlet pipe, needs cleaning and clearing. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 18 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 8.09)]. FS Date: 2/25/2014						

Photo 2 of 2 : UCIP_FA_2019_31129_57035.jpg



LS view: U type concrete headwall and CMP on levee slope. Soil/mud and vegetation on inlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Butte County Department of Public Works

Waterway			Bank	Unit Miles
Unit No. 02A Channel Slough			Left	0.26
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	4/10/2019 - 4/10/2019		10/22/2019 - 10/22/2019	
DWR Inspector	Makar Sokol		Makar Sokol	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A Channel Slough	Left	0.26	10/22/2019 10/22/2019	Makar Sokol

LM Start	0.08	Rating **	M	Issue No.	2
LM End	0.08	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.733999 °	39.733999 °
				-121.929637 °	-121.929637 °
DWR ID	DWR_NA0003_02A_f _ 2019_2				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.21	Rating **	M	Issue No.	1
LM End	0.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.735806 °	39.735806 °
				-121.928774 °	-121.928774 °
DWR ID	DWR_NA0003_02A_f _ 2019_1				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0003_66_1_20191025_00001.jpg



View of depressions on the waterside slope. Fall 2019.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Butte County Department of Public Works

Waterway			Bank	Unit Miles
Unit No. 03 Sycamore and Sheep Hollow Creeks			Right	4.05
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	4/9/2019 - 4/9/2019		10/21/2019 - 10/21/2019	
DWR Inspector	Makar Sokol		Makar Sokol	
Accompanied By	Wade Wylie			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	10/21/2019 10/21/2019	Makar Sokol

LM Start	0.02	Rating **	M	Issue No.	12
LM End	0.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.785970 °	39.785970 °
				-121.882797 °	-121.882797 °
DWR ID	DWR_NA0003_03_f_2015_12				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Repair the erosion on both slopes caused by motorcycle traffic.					

Photo 1 of 1 : FA_2019_NA0003_67_12_20190822_00002.jpg



View of the erosion on both slopes caused by motorcycle traffic.

LM Start	0.07	Rating **	M	Issue No.	3
LM End	0.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.786068 °	39.786068 °
				-121.881828 °	-121.881828 °
DWR ID	DWR_NA0003_03_s_2012_3				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0003_67_3_20190822_00001.jpg



View of the erosion caused by motorcycles on the landside slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	10/21/2019 10/21/2019	Makar Sokol

LM Start	0.10	Rating **	A/W	Issue No.	29	
LM End	0.10	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.786195°	39.786195°	
				-121.881325°	-121.881325°	
DWR ID	19262					
Comment Code						
Inspector Comment						
DS_ID:19262 FS_ID:51844 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 05/16/2017 Crossing has been downgraded from Non-Urgent to No Action Needed. The flap gate appears to be in good working order based on the photos, and the small pile of debris not enough to warrant Non-Urgent rating. (K. Fazel - UCIP)03/11/2014:Slide gate in CMP riser on waterside.The culvert was working during field inspection. (P. Amatya - DWR) FIELD_STRUCT_DESC: 42-inch corrugated metal gravity drainage pipe through the levee, 14 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in a corrugated metal pipe (CMP) riser on the WS slope. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.09)]. FS Date: 3/11/2014						

Photo 1 of 3 : UCIP_FA_2019_51844_58602.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope.

LM Start	0.10	Rating **	A/W	Issue No.	29 (cont)
LM End	0.10	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_51844_58601.jpg



WS view: U type concrete headwall of CMP culvert on levee slope.
Grouted riprap levee slope and spillway.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	10/21/2019 10/21/2019	Makar Sokol

LM Start	0.10	Rating **	A/W	Issue No.	29 (cont)	
LM End	0.10	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.786195°	39.786195°	
				-121.881325°	-121.881325°	
DWR ID	19262					
Comment Code						
Inspector Comment						
DS_ID:19262 FS_ID:51844 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 05/16/2017 Crossing has been downgraded from Non-Urgent to No Action Needed. The flap gate appears to be in good working order based on the photos, and the small pile of debris not enough to warrant Non-Urgent rating. (K. Fazel - UCIP)03/11/2014:Slide gate in CMP riser on waterside.The culvert was working during field inspection. (P. Amatya - DWR) FIELD_STRUCT_DESC: 42-inch corrugated metal gravity drainage pipe through the levee, 14 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in a corrugated metal pipe (CMP) riser on the WS slope. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.09)]. FS Date: 3/11/2014						

Photo 3 of 3 : UCIP_FA_2019_51844_58600.jpg



WS view: slide gate in CMP riser on waterside shoulder.

LM Start	0.14	Rating **	M	Issue No.	27
LM End	0.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.786368 °	39.786368 °
				-121.880602 °	-121.880602 °
DWR ID	DWR_NA0003_03_s_2019_27				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Trees smaller than 4-inches in diameter at chest height should be removed.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	10/21/2019 10/21/2019	Makar Sokol

LM Start	0.35	Rating **	C	Issue No.	15
LM End	0.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.785704 °	39.785704 °
				-121.877004 °	-121.877004 °
DWR ID	DWR_NA0003_03_f_2016_15				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.39	Rating **	A/W	Issue No.	30
LM End	0.39	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.785262 °	39.785262 °
				-121.876622 °	-121.876622 °
DWR ID	19278				
Comment Code					
Inspector Comment					
DS_ID:19278 FS_ID:32104 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Slide gate in CMP riser on waterside.The culvert was working during the field visit. FIELD_STRUCT_DESC: 1 of 3: 48-inch corrugated metal gravity drainage pipe through the levee, 11.7 feet below the crown. Slide gate in a riser well on the waterside (WS) slope. Concrete U-shaped headwall on each end. Flap gate on the WS end. Grouted riprap outlet channel on the WS. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.39)]. FS Date: 3/11/2014					

Photo 1 of 2 : UCIP_FA_2019_32104_58606.jpg



WS view: U type concrete headwall and three CMPs with slide gates on levee slope. Grouted riprap spillway.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Butte County Department of Public Works

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

Levee Inspection Report By Mile - Fall 2019

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	10/21/2019 10/21/2019	Makar Sokol

Photo 2 of 2 : UCIP_FA_2019_32105_58607.jpg

LS view: U type concrete headwall and three CMPs on levee slope. Soil/mud on inlet box.

Photo 1 of 2 : UCIP_FA_2019_32106_58610.jpg

WS view: U type concrete headwall and three CMPs with slide gates on levee slope. Grouted riprap spillway.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

Butte County Department of Public Works

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	10/21/2019 10/21/2019	Makar Sokol

LM Start	1.25	Rating **	A/W	Issue No.	33 (cont)	
LM End	1.25	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.779678 °	39.779678 °	
				-121.862632 °	-121.862632 °	
DWR ID	19264					
Comment Code						
Inspector Comment						
DS_ID:19264						
FS_ID:32107						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: The culvert was working during the field visit.						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe						
through the levee, 11.7 feet below the crown. Flap gate on the						
waterside (WS) end. Concrete U-shaped headwall on each end.						
[Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento						
O&M Manual 504, May 1965, (HLM 1.28)].						
FS Date: 3/11/2014						

Photo 2 of 3 : UCIP_FA_2019_32107_58612.jpg



WS view: U type concrete headwall, flapgate, and CMP on levee slope.

LM Start	1.25	Rating **	A/W	Issue No.	33 (cont)
LM End	1.25	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_32107_58611.jpg



LS view: U type concrete headwall and CMP on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	10/21/2019 10/21/2019	Makar Sokol

LM Start	1.50	Rating **	A/W	Issue No.	34
LM End	1.50	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		39.779230 °	39.779230 °	
			-121.857945 °	-121.857945 °	
DWR ID	19265				

Comment Code

Inspector Comment

DS_ID:19265
FS_ID:31899
EP_NO: N/A
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: Working during the field visit.
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on each end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 1.53)].
FS Date: 3/11/2014

LM Start	1.50	Rating **	A/W	Issue No.	34 (cont)
LM End	1.50	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2019_31899_58187.jpg



WS view: U type concrete headwall, flapgate, and CMP on levee slope. Looks clean and clear.

Photo 2 of 2 : UCIP_FA_2019_31899_58186.jpg



LS view: U type concrete headwall and CMP on levee slope. Looks clean and clear.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	10/21/2019 10/21/2019	Makar Sokol

LM Start	1.61	Rating **	M	Issue No.	25
LM End	1.61	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.779297 °	39.779297 °
				-121.855977 °	-121.855977 °
DWR ID	DWR_NA0003_03_s_2019_25				
Comment Code					
FE : Fence					
Inspector Comment					
The gate across the crown should be removed or owner should apply for permit.					

No Photos

LM Start	1.96	Rating **	M	Issue No.	35
LM End	1.96	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.781714 °	39.781714 °
				-121.850868 °	-121.850868 °
DWR ID	19266				
Comment Code					
Inspector Comment					
DS_ID:19266					
FS_ID:31900					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Needs location confirmation, GPS reading has not taken due to access problem.					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 2.00)].					
FS Date: 3/11/2014					

Photo 1 of 1 : UCIP_FA_2019_31900_58189.jpg



Bird's eye view: concrete headwall visible on both sides of the levee.
Grouted riprap spillway on waterside.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	10/21/2019 10/21/2019	Makar Sokol

LM Start	2.17	Rating **	M	Issue No.	36	
LM End	2.17	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.785290 °	39.785290 °	
				-121.844235 °	-121.844235 °	
DWR ID	19267					
Comment Code						
Inspector Comment						
DS_ID:19267 FS_ID:32124 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe is about 4 feet below the crown. Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 6 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 2.23)]. FS Date: 3/7/2014						

Photo 1 of 3 : UCIP_FA_2019_32124_58625.jpg



WS view: concrete headwall, pipe, and flapgate on levee slope.
Vegetation and mud on outlet box.

LM Start	2.17	Rating **	M	Issue No.	36 (cont)
LM End	2.17	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_32124_58624.jpg



LS view: U type concrete headwall of CMP culvert on levee slope.
Vegetation on inlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	10/21/2019 10/21/2019	Makar Sokol

LM Start	2.17	Rating **	M	Issue No.	36 (cont)	
LM End	2.17	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.785290 °	39.785290 °	
				-121.844235 °	-121.844235 °	
DWR ID	19267					
Comment Code						
Inspector Comment						
DS_ID:19267 FS_ID:32124 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe is about 4 feet below the crown. Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 6 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 2.23)]. FS Date: 3/7/2014						

Photo 3 of 3 : UCIP_FA_2019_32124_58627.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

LM Start	2.22	Rating **	M	Issue No.	37
LM End	2.22	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.785917 °	39.785917 °
				-121.844502 °	-121.844502 °
DWR ID	19268				
Comment Code					
Inspector Comment					
DS_ID:19268					
FS_ID:41872					
EP_NO: 14512					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Need to contact owner to determine status of crossing and install gasoline markers if appropriate.					
FIELD_STRUCT_DESC: 6-inch coated steel high-pressure natural gas main through the levee, 2 feet below the crown. Paddle marker on the landside (LS) slope. (Plans to install a 6-inch high-pressure gas main under three levees and Sheep Hollow and Sycamore Creeks authorized under Permit No. 14512, 1986 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 1992].					
FS Date: 3/7/2014					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	10/21/2019 10/21/2019	Makar Sokol

LM Start	2.68	Rating **	A/W	Issue No.	23
LM End	2.72	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			39.781508 °	39.781327 °
				-121.850137 °	-121.850828 °
DWR ID	DWR_ST0010_02_f_2022_13				
Comment Code					
Inspector Comment					
2017 Site ID: CHI 2.7 L					
Status: Eroding New					
2017 Field Notes: No trees on bank or levee. Large erosion scarp along lower bank.					
Site History:					

No Photos

LM Start	3.08	Rating **	M	Issue No.	38
LM End	3.08	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.778016 °	39.778016 °
				-121.854460 °	-121.854460 °
DWR ID	19269				
Comment Code					
Inspector Comment					
DS_ID:19269 FS_ID:31901 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.16)]. FS Date: 3/7/2014					

Photo 1 of 3 : UCIP_FA_2019_31901_58194.jpg



WS view: U type concrete headwall, flapgate, and CMP on levee slope.
Needs cleaning and clearing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	10/21/2019 10/21/2019	Makar Sokol

LM Start	3.08	Rating **	M	Issue No.	38 (cont)	
LM End	3.08	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			39.778016 °		39.778016 °
				-121.854460 °		-121.854460 °
DWR ID	19269					
Comment Code						
Inspector Comment						
DS_ID:19269 FS_ID:31901 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.16)]. FS Date: 3/7/2014						

LM Start	3.08	Rating **	M	Issue No.	38 (cont)
LM End	3.08	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_31901_58193.jpg



LS view: U type concrete headwall and CMP on levee slope. Soil/mud on inlet box.

Photo 3 of 3 : UCIP_FA_2019_31901_58195.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	10/21/2019 10/21/2019	Makar Sokol

LM Start	3.09	Rating **	M	Issue No.	22
LM End	3.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.777880 °	39.777880 °
				-121.854230 °	-121.854230 °
DWR ID	DWR_NA0003_03_s_2019_22				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0003_67_22_20190822_00005.jpg



View of the wild growth at the landside toe. Spring 2019.

LM Start	3.19	Rating **	A/W	Issue No.	39
LM End	3.19	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.777463 °	39.777463 °
				-121.852512 °	-121.852512 °
DWR ID	19270				
Comment Code					
Inspector Comment					
DS_ID:19270 FS_ID:31902 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.28)]. FS Date: 3/7/2014					

Photo 1 of 3 : UCIP_FA_2019_31902_58201.jpg



WS view: U type concrete headwall and grouted riprap spillway on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	10/21/2019 10/21/2019	Makar Sokol

LM Start	3.19	Rating **	A/W	Issue No.	39 (cont)	
LM End	3.19	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			39.777463 °		39.777463 °
				-121.852512 °		-121.852512 °
DWR ID	19270					
Comment Code						
Inspector Comment						
DS_ID:19270 FS_ID:31902 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.28)]. FS Date: 3/7/2014						

LM Start	3.19	Rating **	A/W	Issue No.	39 (cont)
LM End	3.19	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_31902_58200.jpg



WS view: U type concrete headwall and CMP on levee slope.

Photo 3 of 3 : UCIP_FA_2019_31902_58199.jpg



LS view: U type concrete headwall and CMP on levee slope. Soil/mud on inlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	10/21/2019 10/21/2019	Makar Sokol

LM Start	3.34	Rating **	M	Issue No.	40	
LM End	3.34	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			39.777410 °		39.777410 °
				-121.849627 °		-121.849627 °
DWR ID	19271					
Comment Code						
Inspector Comment						
DS_ID:19271 FS_ID:31864 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.43)]. FS Date: 3/7/2014						

LM Start	3.34	Rating **	M	Issue No.	40 (cont)
LM End	3.34	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_31864_58069.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Soil/mud on outlet box. Vegetation debris blocking outlet box.

Photo 2 of 3 : UCIP_FA_2019_31864_58068.jpg



LS view: U type concrete headwall and CMP on levee slope. Soil/mud on inlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	10/21/2019 10/21/2019	Makar Sokol

LM Start	3.34	Rating **	M	Issue No.	40 (cont)	
LM End	3.34	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			39.777410 °		39.777410 °
				-121.849627 °		-121.849627 °
DWR ID	19271					
Comment Code						
Inspector Comment						
DS_ID:19271 FS_ID:31864 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.43)]. FS Date: 3/7/2014						

Photo 3 of 3 : UCIP_FA_2019_31864_58067.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

LM Start	3.38	Rating **	M	Issue No.	14
LM End	3.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.777429 °	39.777429 °
				-121.848937 °	-121.848937 °
DWR ID	DWR_NA0003_03_f_2016_14				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0003_67_14_20190822_00003.jpg



View of a bush along the landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	10/21/2019 10/21/2019	Makar Sokol

LM Start	3.50	Rating **	M	Issue No.	41	
LM End	3.50	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.777139 °	39.777139 °	
				-121.846769 °	-121.846769 °	
DWR ID	19272					
Comment Code						
Inspector Comment						
DS_ID:19272 FS_ID:31856 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.59)]. FS Date: 3/7/2014						

LM Start	3.50	Rating **	M	Issue No.	41 (cont)
LM End	3.50	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_31856_58053.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Soil/mud on outlet box.

Photo 2 of 3 : UCIP_FA_2019_31856_58052.jpg



LS view: U type concrete headwall and CMP on levee slope. Soil/mud on inlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	10/21/2019 10/21/2019	Makar Sokol

LM Start	3.50	Rating **	M	Issue No.	41 (cont)	
LM End	3.50	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.777139 °	39.777139 °	
				-121.846769 °	-121.846769 °	
DWR ID	19272					
Comment Code						
Inspector Comment						
DS_ID:19272 FS_ID:31856 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.59)]. FS Date: 3/7/2014						

Photo 3 of 3 : UCIP_FA_2019_31856_58051.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

LM Start	3.65	Rating **	M	Issue No.	42
LM End	3.65	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.777381 °	39.777381 °
				-121.844052 °	-121.844052 °
DWR ID	19273				
Comment Code					
Inspector Comment					
DS_ID:19273 FS_ID:31851 EP_NO: 14512 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: A 6-inch steel pipe attached to the Cohasset Road Bridge. Not confirmed whether this is a gasoline pipe. FIELD_STRUCT_DESC: 6-inch coated steel high-pressure natural gas main through the levee, 2 feet below the crown. (Plans to install a 6-inch high-pressure gas main under three levees and Sheep Hollow and Sycamore Creeks authorized under Permit No. 14512, 1986 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 3/7/2014					

Photo 1 of 1 : UCIP_FA_2019_31851_58041.jpg



WS view: 6-inch steel pipe attached to Cohasset Road Bridge. Needs confirmation from LMA whether this is a gasoline.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	10/21/2019 10/21/2019	Makar Sokol

LM Start	3.68	Rating **	M	Issue No.	43
LM End	3.68	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.777662 °	39.777662 °
				-121.843489 °	-121.843489 °
DWR ID	19275				
Comment Code					
Inspector Comment					
DS_ID:19275 FS_ID:32125 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: The culvert was working during the field visit.Needs cleaning and clearing on both ends of the pipe. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 7.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 3.76)]. FS Date: 3/4/2014					

LM Start	3.68	Rating **	M	Issue No.	43 (cont)
LM End	3.68	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2019_32125_58629.jpg



WS view: U type concrete headwall, pipe, and flapgate on levee slope. Soil/mud on outlet box. Vegetation debris blocking outlet box.

Photo 2 of 2 : UCIP_FA_2019_32125_58628.jpg



LS view: U type concrete headwall and pipe on levee slope. Soil/mud on inlet box. Vegetation debris blocking inlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	10/21/2019 10/21/2019	Makar Sokol

LM Start	3.82	Rating **	M	Issue No.	20							
LM End	3.82	Issue Type +	Ma	Location *	CR							
Category	Earthen Levee		GPS Latitude/Longitude									
			Start	End								
Item	Vegetation		39.779026°	39.779026°								
			-121.841625°	-121.841625°								
DWR ID	DWR_NA0003_03_f_2019_20											
Comment Code												
V2 : Remove the wild growth other than native grasses from the levee slopes.												
Inspector Comment												

No Photos

LM Start	3.96	Rating **	M	Issue No.	21							
LM End	3.96	Issue Type +	Ma	Location *	CR							
Category	Earthen Levee		GPS Latitude/Longitude									
			Start	End								
Item	Vegetation		39.780606°	39.780606°								
			-121.840048°	-121.840048°								
DWR ID	DWR_NA0003_03_f_2019_21											
Comment Code												
V9 : Keep the crown roadway free of vegetation.												
Inspector Comment												

Photo 1 of 1 : FA_2019_NA0003_67_21_20191028_00039.jpg



View of the brush on top of crown. Fall 2019.

LM Start	4.03	Rating **	M	Issue No.	28							
LM End	4.03	Issue Type +	Ma	Location *	CR							
Category	Earthen Levee		GPS Latitude/Longitude									
			Start	End								
Item	Vegetation		39.781465°	39.781465°								
			-121.839541°	-121.839541°								
DWR ID	DWR_NA0003_03_f_2019_28											
Comment Code												
V9 : Keep the crown roadway free of vegetation.												
Inspector Comment												

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Butte County Department of Public Works

Waterway			Bank	Unit Miles
Unit No. 04 Sycamore and Dry Creeks			Right	2.86
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	4/9/2019 - 4/9/2019		10/21/2019 - 10/21/2019	
DWR Inspector	Makar Sokol		Makar Sokol	
Accompanied By	Shawn Bates Butte County			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	10/21/2019 10/21/2019	Makar Sokol

LM Start	0.07	Rating **	M	Issue No.	16
LM End	0.16	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.776340 °	39.776509 °
				-121.847146 °	-121.848830 °
DWR ID	DWR_NA0003_04_s_2019_16				
Comment Code					
FE : Fence					
Inspector Comment					

No Photos

LM Start	0.16	Rating **	M	Issue No.	20
LM End	0.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.776526 °	39.776526 °
				-121.848727 °	-121.848727 °
DWR ID	DWR_NA0003_04_f_2016_20				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0003_68_20_20190822_00005.jpg



View of the vegetation along the landside toe.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	10/21/2019 10/21/2019	Makar Sokol

LM Start	0.27	Rating **	M	Issue No.	42
LM End	0.27	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.776554 °	39.776554 °
				-121.850730 °	-121.850730 °
DWR ID	19279				
Comment Code					
Inspector Comment					
DS_ID:19279 FS_ID:32026 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.28)]. FS Date: 3/7/2014					

Photo 1 of 3 : UCIP_FA_2019_32026_58520.jpg



WS view: concrete headwall and grouted riprap spillway on levee slope.

LM Start	0.27	Rating **	M	Issue No.	42 (cont)
LM End	0.27	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_32026_58519.jpg



WS view: U type concrete headwall and CMP on levee slope. Mud and vegetation debris on outlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	10/21/2019 10/21/2019	Makar Sokol

LM Start	0.27	Rating **	M	Issue No.	42 (cont)
LM End	0.27	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.776554 °	39.776554 °
				-121.850730 °	-121.850730 °
DWR ID	19279				
Comment Code					
Inspector Comment					
DS_ID:19279 FS_ID:32026 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.28)]. FS Date: 3/7/2014					

Photo 3 of 3 : UCIP_FA_2019_32026_58518.jpg



LS view: U type concrete headwall and CMP on levee slope. Mud and pebbles on inlet box.

LM Start	0.33	Rating **	M	Issue No.	43
LM End	0.33	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.775926 °	39.775926 °
				-121.850647 °	-121.850647 °
DWR ID	19280				
Comment Code					
Inspector Comment					
DS_ID:19280 FS_ID:32025 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate in a CMP riser. Vegetation debris and mud on inlet box.Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee and under the channel, 9.5 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.34)]. FS Date: 3/7/2014					

Photo 1 of 3 : UCIP_FA_2019_32025_58512.jpg



WS view: slide gate in CMP riser on waterside shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	10/21/2019 10/21/2019	Makar Sokol

LM Start	0.33	Rating **	M	Issue No.	43 (cont)	
LM End	0.33	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			39.775926 °		39.775926 °
				-121.850647 °		-121.850647 °
DWR ID	19280					
Comment Code						
Inspector Comment						
DS_ID:19280 FS_ID:32025 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate in a CMP riser. Vegetation debris and mud on inlet box.Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee and under the channel, 9.5 feet below the crown. Slide gate in a corrugated metal pipe (CMP) riser on the waterside (WS) slope. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.34)]. FS Date: 3/7/2014						

LM Start	0.33	Rating **	M	Issue No.	43 (cont)
LM End	0.33	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_32025_58511.jpg



WS view: inside view of slide gate in CMP riser on waterside shoulder. Debris trapped in the riser.

Photo 3 of 3 : UCIP_FA_2019_32025_58510.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris and mud on inlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	10/21/2019 10/21/2019	Makar Sokol

LM Start	0.35	Rating **	M	Issue No.	44	
LM End	0.35	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			39.775682 °		39.775682 °
				-121.850375 °		-121.850375 °
DWR ID	19281					
Comment Code						
Inspector Comment						
DS_ID:19281 FS_ID:32023 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.36)]. FS Date: 3/7/2014						

Photo 1 of 3 : UCIP_FA_2019_32023_58505.jpg



WS view: U type concrete headwall and CMP on levee slope. Vegetation debris and mud on outlet box. Needs cleaning and clearing.

LM Start	0.35	Rating **	M	Issue No.	44 (cont)
LM End	0.35	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_32023_58504.jpg



LS view: U type concrete headwall and CMP on levee slope. Pebbles and mud on inlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	10/21/2019 10/21/2019	Makar Sokol

LM Start	0.35	Rating **	M	Issue No.	44 (cont)
LM End	0.35	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.775682 °	39.775682 °
				-121.850375 °	-121.850375 °
DWR ID	19281				
Comment Code					
Inspector Comment					
DS_ID:19281					
FS_ID:32023					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Needs cleaning and clearing the culvert.					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.36)].					
FS Date: 3/7/2014					

Photo 3 of 3 : UCIP_FA_2019_32023_58503.jpg



LS view: inside view of the CM pipe. Needs cleaning and clearing the pipe.

LM Start	0.35	Rating **	M	Issue No.	21
LM End	0.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.775672 °	39.775220 °
				-121.850301 °	-121.849805 °
DWR ID	DWR_NA0003_04_f_2016_21				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0003_68_21_20190822_00006.jpg



View of the overgrown trees along the landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	10/21/2019 10/21/2019	Makar Sokol

LM Start	0.35	Rating **	M	Issue No.	14
LM End	0.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.775656°	39.775289°
				-121.850308°	-121.849907°
DWR ID	DWR_NA0003_04_f_2019_14				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0003_68_14_20191028_00035.jpg



View of trees and wild growth along the waterside slope and toe. Fall 2019.

LM Start	0.46	Rating **	M	Issue No.	18
LM End	0.52	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.774467 °	39.774625 °
				-121.848995 °	-121.847925 °
DWR ID	DWR_NA0003_04_s_2019_18				
Comment Code					
FE : Fence					
Inspector Comment					

No Photos

LM Start	0.46	Rating **	M	Issue No.	19
LM End	0.53	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.774460°	39.774667°
				-121.848994°	-121.847840°
DWR ID	DWR_NA0003_04_s_2019_19				
Comment Code					
BU : Building					
Inspector Comment					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	10/21/2019 10/21/2019	Makar Sokol

LM Start	0.53	Rating **	A/W	Issue No.	41
LM End	0.71	Issue Type +	En	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.774692°	39.772955°	
			-121.847710°	-121.845925°	
DWR ID	DWR_NA0003_04_s_2019_41				
Comment Code					
MA : Material					
Inspector Comment					
This section is patrol road only.					

No Photos

LM Start	0.63	Rating **	M	Issue No.	26
LM End	0.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		39.773988°	39.773988°	
			-121.846320°	-121.846320°	
DWR ID	DWR_NA0003_04_s_2019_26				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion rills are located in this area. The storm inlet on the landside may not be functioning properly and may impact ability to access the patrol road.					

No Photos

LM Start	0.77	Rating **	M	Issue No.	32
LM End	0.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.774198°	39.774198°	
			-121.849021°	-121.849021°	
DWR ID	DWR_NA0003_04_s_2019_32				
Comment Code					
PR : Prunings					
Inspector Comment					
The prunings should be removed from the landside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	10/21/2019 10/21/2019	Makar Sokol

LM Start	0.83	Rating **	M	Issue No.	31
LM End	0.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.774801 °	39.774801 °
				-121.849850 °	-121.849850 °
DWR ID	DWR_NA0003_04_s_2019_31				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Trees smaller than 4-inches in diameter at chest height should be removed.					

No Photos

LM Start	0.88	Rating **	M	Issue No.	29
LM End	0.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.775362 °	39.775362 °
				-121.850468 °	-121.850468 °
DWR ID	DWR_NA0003_04_s_2019_29				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	0.91	Rating **	M	Issue No.	28
LM End	0.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.775610 °	39.775610 °
				-121.850807 °	-121.850807 °
DWR ID	DWR_NA0003_04_s_2019_28				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	10/21/2019 10/21/2019	Makar Sokol

LM Start	0.92	Rating **	M	Issue No.	45
LM End	0.92	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.775704 °	39.775704 °
				-121.850901 °	-121.850901 °
DWR ID	19287				
Comment Code					
Inspector Comment					
DS_ID:19287 FS_ID:32143 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.96)]. FS Date: 3/7/2014					

LM Start	0.92	Rating **	M	Issue No.	45 (cont)
LM End	0.92	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2019_32143_58641.jpg



WS view: U type concrete headwall and CMP on levee slope. Soil/mud on outlet box. Needs cleaning and clearing.

Photo 2 of 2 : UCIP_FA_2019_32143_58640.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation and mud on inlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	10/21/2019 10/21/2019	Makar Sokol

LM Start	0.92	Rating **	M	Issue No.	46
LM End	0.92	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.775729 °	39.775729 °
				-121.850950 °	-121.850950 °
DWR ID	19293				
Comment Code					
Inspector Comment					
DS_ID:19293 FS_ID:31946 EP_NO: 15950 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Only little gasoline indicator flags found on both sides of the levee and across the creek. FIELD_STRUCT_DESC: 6-inch high-pressure natural gas main line of an unknown material through both levees and under Dry Creek, 2 feet below the crown. (Plans to place a 6-inch high-pressure gas main under both levees and creek bed to a depth of 5 feet across Dry Creek authorized under Permit No. 15950, 1992 - Pacific Gas and Electric Company [PG&E]). FS Date: 3/7/2014					

LM Start	0.92	Rating **	M	Issue No.	46 (cont)
LM End	0.92	Issue Type +	En	Location *	

Photo 1 of 2 : UCIP_FA_2019_31946_58357.jpg



WS view: little gasoline indicator (yellow flags) on both sides of the levee.

Photo 2 of 2 : UCIP_FA_2019_31946_58356.jpg



WS view: close up view of little gasoline indicator.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	10/21/2019 10/21/2019	Makar Sokol

LM Start	0.94	Rating **	M	Issue No.	47
LM End	0.94	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.775899 °	39.775899 °
				-121.851124 °	-121.851124 °
DWR ID	19288				
Comment Code					
Inspector Comment					
DS_ID:19288					
FS_ID:32144					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Slide gate in CMP riser on waterside. No access to CMP riser.Needs cleaning and clearing the culvert.					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee and under the channel, 9.5 feet below the crown.					
Slide gate in a pipe riser on the waterside (WS) slope. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.98)].					
FS Date: 3/7/2014					

LM Start	0.94	Rating **	M	Issue No.	47 (cont)
LM End	0.94	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_32144_58644.jpg



LS view: U type concrete headwall of CMP culvert on levee slope. Vegetation debris and mud on inlet box.

Photo 2 of 3 : UCIP_FA_2019_32144_58643.jpg



LS view: close view of vegetation debris and mud on inlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	10/21/2019 10/21/2019	Makar Sokol

LM Start	0.94	Rating **	M	Issue No.	47 (cont)	
LM End	0.94	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.775899 °	39.775899 °	
				-121.851124 °	-121.851124 °	
DWR ID	19288					
Comment Code						
Inspector Comment						
DS_ID:19288						
FS_ID:32144						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Slide gate in CMP riser on waterside. No access to CMP riser.Needs cleaning and clearing the culvert.						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee and under the channel, 9.5 feet below the crown.						
Slide gate in a pipe riser on the waterside (WS) slope. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 0.98)].						
FS Date: 3/7/2014						

Photo 3 of 3 : UCIP_FA_2019_32144_58642.jpg



WS view: slide gate in CMP riser on waterside. No access to CMP riser.

LM Start	0.94	Rating **	M	Issue No.	1
LM End	1.01	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.776013 °	39.776595 °
				-121.851175 °	-121.852005 °
DWR ID	DWR_NA0003_04_s_2012_1				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0003_68_1_20190822_00001.jpg



View of the fence and trees along the landside toe of the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	10/21/2019 10/21/2019	Makar Sokol

LM Start	1.04	Rating **	M	Issue No.	23
LM End	1.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.776589 °	39.776589 °
				-121.852600 °	-121.852600 °
DWR ID	DWR_NA0003_04_f_2016_23				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0003_68_23_20190822_00007.jpg



View of the blackberries blocking visibility and access.

LM Start	1.11	Rating **	M	Issue No.	48	
LM End	1.11	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			39.776709 °		39.776709 °
				-121.853932 °		-121.853932 °
DWR ID	19289					
Comment Code						
Inspector Comment						
DS_ID:19289 FS_ID:31963 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 1.15)]. FS Date: 3/7/2014						

Photo 1 of 3 : UCIP_FA_2019_31963_58384.jpg



WS view: U type concrete headwall and CMP on levee slope. Vegetation debris and mud on outlet box. Needs cleaning and clearing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	10/21/2019 10/21/2019	Makar Sokol

LM Start	1.11	Rating **	M	Issue No.	48 (cont)	
LM End	1.11	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.776709 °	39.776709 °	
				-121.853932 °	-121.853932 °	
DWR ID	19289					
Comment Code						
Inspector Comment						
DS_ID:19289 FS_ID:31963 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 1.15)]. FS Date: 3/7/2014						

LM Start	1.11	Rating **	M	Issue No.	48 (cont)
LM End	1.11	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_31963_58383.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris and mud on inlet box.

Photo 3 of 3 : UCIP_FA_2019_31963_58385.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	10/21/2019 10/21/2019	Makar Sokol

LM Start	1.11	Rating **	U	Issue No.	3
LM End	1.22	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.77760°	39.777650°
				-121.854022°	-121.855687°
DWR ID	DWR_NA0003_04_s_2012_3				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0003_68_3_20190822_00003.jpg



View of the fence along the landside toe.

LM Start	1.16	Rating **	C	Issue No.	17
LM End	1.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.777128 °	39.777580 °
				-121.854763 °	-121.855612 °
DWR ID	DWR_NA0003_04_f_2015_17				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Trees smaller than 4-inches in diameter at chest height should be removed. All other trees should be trimmed.					

No Photos

LM Start	1.27	Rating **	M	Issue No.	2
LM End	1.36	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.778003 °	39.778378 °
				-121.856403 °	-121.857953 °
DWR ID	DWR_NA0003_04_s_2012_2				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0003_68_2_20190822_00002.jpg



View of ditch at the landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	10/21/2019 10/21/2019	Makar Sokol

LM Start	1.35	Rating **	M	Issue No.	49
LM End	1.35	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.778370 °	39.778370 °
				-121.857904 °	-121.857904 °
DWR ID	19290				
Comment Code					
Inspector Comment					
DS_ID:19290 FS_ID:31964 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 13 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 1.41)]. FS Date: 3/7/2014					

LM Start	1.35	Rating **	M	Issue No.	49 (cont)
LM End	1.35	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2019_31964_58389.jpg



WS view: U type concrete headwall and CMP on levee slope. Vegetation debris and mud in outlet box. Needs cleaning and clearing.

Photo 2 of 2 : UCIP_FA_2019_31964_58388.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris and mud in inlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	10/21/2019 10/21/2019	Makar Sokol

LM Start	1.88	Rating **	M	Issue No.	33
LM End	2.13	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.780227°	39.782632°	
			-121.867369°	-121.870954°	
DWR ID	DWR_NA0003_04_s_2019_33				
Comment Code					
FE : Fence					
Inspector Comment					

No Photos

LM Start	2.00	Rating **	M	Issue No.	34
LM End	2.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		39.781217°	39.781217°	
			-121.869124°	-121.869124°	
DWR ID	DWR_NA0003_04_s_2019_34				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	2.01	Rating **	C	Issue No.	35
LM End	2.01	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.781323°	39.781323°	
			-121.869286°	-121.869286°	
DWR ID	DWR_NA0003_04_s_2019_35				
Comment Code					
V6 : Landscaping					
Inspector Comment					
The trees should be trimmed up to 5 feet from the ground.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	10/21/2019 10/21/2019	Makar Sokol

LM Start	2.05	Rating **	C	Issue No.	36
LM End	2.05	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.781747 °	39.781747 °
				-121.869883 °	-121.869883 °
DWR ID	DWR_NA0003_04_s_2019_36				
Comment Code					
V6 : Landscaping					
Inspector Comment					
The vegetation on the fence should be trimmed to allow for visibility of landside toe.					

No Photos

LM Start	2.15	Rating **	M	Issue No.	50
LM End	2.15	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.782777 °	39.782777 °
				-121.871179 °	-121.871179 °
DWR ID	19291				
Comment Code					
Inspector Comment					
DS_ID:19291 FS_ID:31965 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 2.22)]. FS Date: 3/7/2014					

Photo 1 of 3 : UCIP_FA_2019_31965_58395.jpg



WS view: U type concrete headwall and CMP on levee slope. Vegetation debris and mud in outlet box. Needs cleaning and clearing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	10/21/2019 10/21/2019	Makar Sokol

LM Start	2.15	Rating **	M	Issue No.	50 (cont)	
LM End	2.15	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.782777°	39.782777°	
				-121.871179°	-121.871179°	
DWR ID	19291					
Comment Code						
Inspector Comment						
DS_ID:19291 FS_ID:31965 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 2.22)]. FS Date: 3/7/2014						

Photo 2 of 3 : UCIP_FA_2019_31965_58394.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris and mud in inlet box.

LM Start	2.15	Rating **	M	Issue No.	50 (cont)
LM End	2.15	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_31965_58393.jpg



LS view: inside view of CMP on levee slope. Needs cleaning and clearing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	10/21/2019 10/21/2019	Makar Sokol

LM Start	2.40	Rating **	C	Issue No.	40
LM End	2.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.783674 °	39.783674 °
				-121.875656 °	-121.875656 °
DWR ID	DWR_NA0003_04_s _ 2019_40				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Trees smaller than 4-inches in diamater at chest height should be removed.					

No Photos

LM Start	2.40	Rating **	M	Issue No.	39
LM End	2.40	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.783686 °	39.783686 °
				-121.875665 °	-121.875665 °
DWR ID	DWR_NA0003_04_s _ 2019_39				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	10/21/2019 10/21/2019	Makar Sokol

LM Start	2.47	Rating **	M	Issue No.	51
LM End	2.47	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.784244 °	39.784244 °
				-121.876810 °	-121.876810 °
DWR ID	19292				
Comment Code					
Inspector Comment					
DS_ID:19292 FS_ID:31966 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 2.56)]. FS Date: 3/7/2014					

Photo 1 of 3 : UCIP_FA_2019_31966_58401.jpg



WS view: U type concrete headwall and grouted riprap spillway on levee slope.

LM Start	2.47	Rating **	M	Issue No.	51 (cont)
LM End	2.47	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_31966_58400.jpg



WS view: U type concrete headwall and CMP on levee slope. Vegetation debris and mud on outlet box. Needs cleaning and clearing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	10/21/2019 10/21/2019	Makar Sokol

LM Start	2.47	Rating **	M	Issue No.	51 (cont)							
LM End	2.47	Issue Type +	Ma	Location *								
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	DRAFT DWR UCIP LMA Responsibility		39.784244 °	39.784244 °								
			-121.876810 °	-121.876810 °								
DWR ID	19292											
Comment Code												
Inspector Comment												
DS_ID:19292 FS_ID:31966 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwall on each end. Grouted riprap apron on the landside (LS) end. Grouted riprap spillway on the WS end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 504, May 1965, (HLM 2.56)]. FS Date: 3/7/2014												

Photo 3 of 3 : UCIP_FA_2019_31966_58399.jpg



LS view: U type concrete headwall and CMP on levee slope. Vegetation debris and mud in pipe and inlet box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Butte County Department of Public Works

Waterway			Bank	Unit Miles
Unit No. 05 Big Chico Diversion			Left	1.85
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	4/9/2019 - 4/9/2019		10/21/2019 - 10/21/2019	
DWR Inspector	Makar Sokol		Makar Sokol	
Accompanied By	Wade Wylie			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Big Chico Diversion	Left	1.85	10/21/2019 10/21/2019	Makar Sokol

LM Start	0.03	Rating **	M	Issue No.	1
LM End	0.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.763164 °	39.761860 °
				-121.790335 °	-121.792635 °
DWR ID	DWR_NA0003_05_s_2012_1				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0003_69_1_20190822_00001.jpg



View of the wild growth on the landside slope. Spring 2019.

LM Start	0.08	Rating **	M	Issue No.	4
LM End	0.08	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.762693 °	39.762693 °
				-121.790925 °	-121.790925 °
DWR ID	DWR_NA0003_05_s_2019_4				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	0.21	Rating **	C	Issue No.	5
LM End	0.21	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.761931 °	39.761931 °
				-121.792850 °	-121.792850 °
DWR ID	DWR_NA0003_05_s_2019_5				
Comment Code					
DE : Debris					
Inspector Comment					
The pile of wood should be removed from the levee crown.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Big Chico Diversion	Left	1.85	10/21/2019 10/21/2019	Makar Sokol

LM Start	0.30	Rating **	M	Issue No.	3
LM End	0.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.761743 °	39.761743 °
				-121.794447 °	-121.794447 °
DWR ID	DWR_NA0003_05_f_2019_3				
Comment Code					
TR : Tree or limb					
Inspector Comment					
The fallen tree should be removed from the landside slope and toe.					

Photo 1 of 1 : FA_2019_NA0003_69_3_20191028_00006.jpg



View of the fallen tree on the landside slope. Fall 2019.

LM Start	0.38	Rating **	M	Issue No.	8
LM End	0.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.761447°	39.761179°
				-121.795898°	-121.796344°
DWR ID	DWR_NA0003_05_f_2019_8				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	0.42	Rating **	M	Issue No.	11
LM End	0.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.761077 °	39.761077 °
				-121.796576 °	-121.796576 °
DWR ID	DWR_NA0003_05_f_2016_11				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0003_69_11_20190822_00002.jpg



View of the damaged slope by foot traffic.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Big Chico Diversion	Left	1.85	10/21/2019 10/21/2019	Makar Sokol

LM Start	0.50	Rating **	M	Issue No.	10
LM End	0.82	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.761844 °	39.763569 °	
			-121.797331 °	-121.802579 °	
DWR ID	DWR_NA0003_05_s_2019_10				
Comment Code					
FE : Fence					
Inspector Comment					

No Photos

LM Start	0.89	Rating **	A/W	Issue No.	6
LM End	0.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.764397 °	39.764397 °	
			-121.803335 °	-121.803335 °	
DWR ID	DWR_NA0003_05_f_2014_6				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Trim branches 1-inch in diameter or less to keep bush from becoming an issue.					

No Photos

LM Start	1.19	Rating **	M	Issue No.	12
LM End	1.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		39.767958 °	39.767958 °	
			-121.806326 °	-121.806326 °	
DWR ID	DWR_NA0003_05_s_2019_12				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

Butte County Department of Public Works

View of the damaged slope by foot traffic.

No Photos

Page 4 of 6

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Big Chico Diversion	Left	1.85	10/21/2019 10/21/2019	Makar Sokol

LM Start	1.34	Rating **	M	Issue No.	18
LM End	1.34	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.769761 °	39.769761 °
				-121.808152 °	-121.808152 °
DWR ID	19300				
Comment Code					
Inspector Comment					
DS_ID:19300 FS_ID:41440 EP_NO: 13368 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: No marker or indicator found. FIELD_STRUCT_DESC: 15-inch reinforced concrete sanitary sewer pipeline through the levee and under the Big Chico Creek Diversion Channel, 17 feet below the crown. (Plans to install a 15-inch sanitary sewer pipeline 3 feet beneath the thalweg of Big Chico Creek Diversion Channel authorized under Permit No. 13368, 1982 - Northeast Chico Sewer Assessment District). [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 3/4/2014					

No Photos

LM Start	1.49	Rating **	A/W	Issue No.	17
LM End	1.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.771379 °	39.771379 °
				-121.809849 °	-121.809849 °
DWR ID	DWR_NA0003_05_s_2019_17				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Butte County Department of Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Big Chico Diversion	Left	1.85	10/21/2019 10/21/2019	Makar Sokol

LM Start	1.56	Rating **	U	Issue No.	15
LM End	1.56	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.772190°	39.772190°
				-121.810700°	-121.810700°
DWR ID	DWR_NA0003_05_f_2017_15				
Comment Code					
RW : Retaining Wall					
Inspector Comment					
The developer cut a paved road, gutter and large rocks in slope/toe of the levee. The board is in the process of resolving the encroachment.					

Photo 1 of 2 : FA_2019_NA0003_69_15_20190822_00004.jpg



View of the housing track road cutting into the levee toe.

LM Start	1.56	Rating **	U	Issue No.	15 (cont)
LM End	1.56	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2019_NA0003_69_15_20190822_00005.jpg



View of the housing track road cutting into the levees slope and toe.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement